DAIKIN

Si38-304

Service Manual

VRV II®

R22 Heat Pump / Cooling Only

Большая библиотека технической документации
http://splitoff.ru/tehn-doc.html
каталоги, инструкции, сервисные мануалы, схемы.

VRV II R22 Heat Pump / Cooling Only

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1. Introduction

1.1 Safety Cautions

Cautions and Warnings

- Be sure to read the following safety cautions before conducting repair work.
- The caution items are classified into "⚠ **Warning**" and "⚠ **Caution**". The "⚠ **Warning**" items are especially important since they can lead to death or serious injury if they are not followed closely. The "⚠ **Caution**" items can also lead to serious accidents under some conditions if they are not followed. Therefore, be sure to observe all the safety caution items described below.
- About the pictograms

△ This symbol indicates an item for which caution must be exercised.
The pictogram shows the item to which attention must be paid.

◯ This symbol indicates a prohibited action.
The prohibited item or action is shown inside or near the symbol.

● This symbol indicates an action that must be taken, or an instruction.
The instruction is shown inside or near the symbol.

- After the repair work is complete, be sure to conduct a test operation to ensure that the equipment operates normally, and explain the cautions for operating the product to the customer

1.1.1 Caution in Repair

⚠ Warning	
Be sure to disconnect the power cable plug from the plug socket before disassembling the equipment for a repair. Working on the equipment that is connected to a power supply can cause an electrical shook. If it is necessary to supply power to the equipment to conduct the repair or inspecting the circuits, do not touch any electrically charged sections of the equipment.	
If the refrigerant gas discharges during the repair work, do not touch the discharging refrigerant gas. The refrigerant gas can cause frostbite.	
When disconnecting the suction or discharge pipe of the compressor at the welded section, release the refrigerant gas completely at a well-ventilated place first. If there is a gas remaining inside the compressor, the refrigerant gas or refrigerating machine oil discharges when the pipe is disconnected, and it can cause injury.	
If the refrigerant gas leaks during the repair work, ventilate the area. The refrigerant gas can generate toxic gases when it contacts flames.	
The step-up capacitor supplies high-voltage electricity to the electrical components of the outdoor unit. Be sure to discharge the capacitor completely before conducting repair work. A charged capacitor can cause an electrical shock.	
Do not start or stop the air conditioner operation by plugging or unplugging the power cable plug. Plugging or unplugging the power cable plug to operate the equipment can cause an electrical shock or fire.	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

⚠ Caution	
Do not repair the electrical components with wet hands. Working on the equipment with wet hands can cause an electrical shock.	
Do not clean the air conditioner by splashing water. Washing the unit with water can cause an electrical shock.	
Be sure to provide the grounding when repairing the equipment in a humid or wet place, to avoid electrical shocks.	
Be sure to turn off the power switch and unplug the power cable when cleaning the equipment. The internal fan rotates at a high speed, and cause injury.	
Do not tilt the unit when removing it. The water inside the unit can spill and wet the furniture and floor.	
Be sure to check that the refrigerating cycle section has cooled down sufficiently before conducting repair work. Working on the unit when the refrigerating cycle section is hot can cause burns.	
Use the welder in a well-ventilated place. Using the welder in an enclosed room can cause oxygen deficiency.	

1.1.2 Cautions Regarding Products after Repair

⚠ Warning	
Be sure to use parts listed in the service parts list of the applicable model and appropriate tools to conduct repair work. Never attempt to modify the equipment. The use of inappropriate parts or tools can cause an electrical shock, excessive heat generation or fire.	
When relocating the equipment, make sure that the new installation site has sufficient strength to withstand the weight of the equipment. If the installation site does not have sufficient strength and if the installation work is not conducted securely, the equipment can fall and cause injury.	
Be sure to install the product correctly by using the provided standard installation frame. Incorrect use of the installation frame and improper installation can cause the equipment to fall, resulting in injury.	For integral units only
Be sure to install the product securely in the installation frame mounted on a window frame. If the unit is not securely mounted, it can fall and cause injury.	For integral units only
Be sure to use an exclusive power circuit for the equipment, and follow the technical standards related to the electrical equipment, the internal wiring regulations and the instruction manual for installation when conducting electrical work. Insufficient power circuit capacity and improper electrical work can cause an electrical shock or fire.	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Warning	
Be sure to use the specified cable to connect between the indoor and outdoor units. Make the connections securely and route the cable properly so that there is no force pulling the cable at the connection terminals. Improper connections can cause excessive heat generation or fire.	
When connecting the cable between the indoor and outdoor units, make sure that the terminal cover does not lift off or dismount because of the cable. If the cover is not mounted properly, the terminal connection section can cause an electrical shock, excessive heat generation or fire.	
Do not damage or modify the power cable. Damaged or modified power cable can cause an electrical shock or fire. Placing heavy items on the power cable, and heating or pulling the power cable can damage the cable.	
Do not mix air or gas other than the specified refrigerant in the refrigerant system. If air enters the refrigerating system, an excessively high pressure results, causing equipment damage and injury.	
If the refrigerant gas leaks, be sure to locate the leak and repair it before charging the refrigerant. After charging refrigerant, make sure that there is no refrigerant leak. If the leak cannot be located and the repair work must be stopped, be sure to perform pump-down and close the service valve, to prevent the refrigerant gas from leaking into the room. The refrigerant gas itself is harmless, but it can generate toxic gases when it contacts flames, such as fan and other heaters, stoves and ranges.	
When replacing the coin battery in the remote controller, be sure to disposed of the old battery to prevent children from swallowing it. If a child swallows the coin battery, see a doctor immediately.	

Caution	
Installation of a leakage breaker is necessary in some cases depending on the conditions of the installation site, to prevent electrical shocks.	
Do not install the equipment in a place where there is a possibility of combustible gas leaks. If a combustible gas leaks and remains around the unit, it can cause a fire.	
Be sure to install the packing and seal on the installation frame properly. If the packing and seal are not installed properly, water can enter the room and wet the furniture and floor.	For integral units only

1.1.3 Inspection after Repair

Warning	
Check to make sure that the power cable plug is not dirty or loose, then insert the plug into a power outlet all the way. If the plug has dust or loose connection, it can cause an electrical shock or fire.	
If the power cable and lead wires have scratches or deteriorated, be sure to replace them. Damaged cable and wires can cause an electrical shock, excessive heat generation or fire.	
Do not use a joined power cable or extension cable, or share the same power outlet with other electrical appliances, since it can cause an electrical shock, excessive heat generation or fire.	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Caution	
Check to see if the parts and wires are mounted and connected properly, and if the connections at the soldered or crimped terminals are secure. Improper installation and connections can cause excessive heat generation, fire or an electrical shock.	
If the installation platform or frame has corroded, replace it. Corroded installation platform or frame can cause the unit to fall, resulting in injury.	
Check the grounding, and repair it if the equipment is not properly grounded. Improper grounding can cause an electrical shock.	
Be sure to measure the insulation resistance after the repair, and make sure that the resistance is 1 Mohm or higher. Faulty insulation can cause an electrical shock.	
Be sure to check the drainage of the indoor unit after the repair. Faulty drainage can cause the water to enter the room and wet the furniture and floor.	

1.1.4 Using Icons

Icons are used to attract the attention of the reader to specific information. The meaning of each icon is described in the table below:

1.1.5 Using Icons List

Icon	Type of Information	Description
Note:	Note	A “note” provides information that is not indispensable, but may nevertheless be valuable to the reader, such as tips and tricks.
Caution	Caution	A “caution” is used when there is danger that the reader, through incorrect manipulation, may damage equipment, loose data, get an unexpected result or has to restart (part of) a procedure.
Warning	Warning	A “warning” is used when there is danger of personal injury.
	Reference	A “reference” guides the reader to other places in this binder or in this manual, where he/she will find additional information on a specific topic.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.2 PREFACE

Thank you for your continued patronage of Daikin products.

This is the new service manual for Daikin's Year 2003 VRVII series Heat Pump / Cooling Only System.
Daikin offers a wide range of models to respond to building and office air conditioning needs.
We are confident that customers will be able to find the models that best suit their needs.

This service manual contains information regarding the servicing of VRVII series Heat Pump / Cooling Only System.

July. 2003

After Sales Service Division

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

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General Information

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1. Model Names of Indoor/Outdoor Units

Indoor Units

Type		Model Name											Power Supply
Ceiling Mounted Cassette Type (Double Flow)	FXC	20L	25L	32L	40L	50L	63L	80L	—	125L	—	—	
Ceiling Mounted Cassette Type (Multi Flow)	FXF	—	25L	32L	40L	50L	63L	80L	100L	125L	—	—	
Ceiling Mounted Cassette Corner Type	FXK	—	25L	32L	40L	—	63L	—	—	—	—	—	VE
Ceiling Mounted Low Silhouette Duct Type	FXYD	20KA	25KA	32KA	40KA	50KA	63KA	—	—	—	—	—	
Ceiling Mounted Built-In Type	FXS	20L	25L	32L	40L	50L	63L	80L	100L	125L	—	—	
Ceiling Mounted Built-In (Rear Suction) Type	FXYB	20K	25K	32K	40K	50K	63K	80K	100K	125K	—	—	V1
Ceiling Mounted Duct Type	FXM	—	—	—	40L	50L	63L	80L	100L	125L	200L	250L	
Ceiling Suspended Type	FXH	—	—	32L	—	—	63L	—	100L	—	—	—	
Wall Mounted Type	FXA	20L	25L	32L	40L	50L	63L	—	—	—	—	—	VE
Floor Standing Type	FXL	20L	25L	32L	40L	50L	63L	—	—	—	—	—	
Concealed Floor Standing Type	FXN	20L	25L	32L	40L	50L	63L	—	—	—	—	—	

VE: 1ϕ, 220V~240V, 50Hz
1ϕ, 220V, 60Hz
V1: 1ϕ, 220V~240V, 50Hz

Outdoor Units (Inverter Series)

Series	Model Name											Power Supply
Heat Pump	RXY	5M	8M	10M	12M	14M	16M	18M	20M	22M	24M	26M	Y1 (E) TL (E) YL (E)
Cooling Only	RX	5M	8M	10M	12M	14M	16M	18M	20M	22M	24M	26M	Y1 (E)

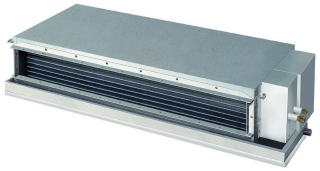
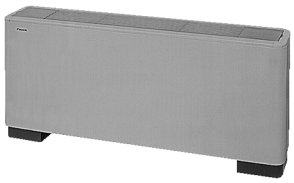
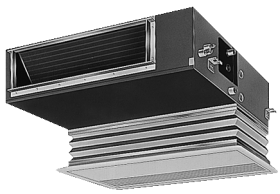
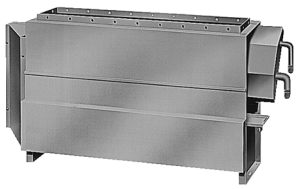
Series	Model Name											Power Supply
Heat Pump	RXY	28M	30M	32M	34M	36M	38M	40M	42M	44M	46M	48M	Y1 (E) TL (E) YL (E)
Cooling Only	RX	28M	30M	32M	34M	36M	38M	40M	42M	44M	46M	48M	Y1 (E)

Y1: 3ϕ, 380~415V, 50Hz
TL: 3ϕ, 220V, 60Hz
YL: 3ϕ, 380V, 60Hz
E: The unit with anti corrosion treatment

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2. External Appearance

2.1 Indoor Units

Ceiling mounted cassette type (Double flow) FXC20L FXC25L FXC32L FXC40L FXC50L FXC63L FXC80L FXC125L 	Ceiling mounted duct type FXM40L FXM50L FXM63L FXM80L FXM100L FXM125L FXM200L FXM250L FXM40~125L FXM200 · 250L
Ceiling mounted cassette type (Multi flow) FXF25L FXF32L FXF40L FXF50L FXF63L FXF80L FXF100L FXF125L 	Ceiling suspended type FXH32L FXH63L FXH100L
Ceiling mounted cassette corner type FXK25L FXK32L FXK40L FXK63L 	Wall mounted type FXA20L FXA25L FXA32L FXA40L FXA50L FXA63L
Ceiling mounted low silhouette duct type FXYD20KA FXYD25KA FXYD32KA FXYD40KA FXYD50KA FXYD63KA 	Floor standing type FXL20L FXL25L FXL32L FXL40L FXL50L FXL63L 
Ceiling mounted built-in type FXS20L FXS25L FXS32L FXS40L FXS50L FXS63L FXS80L FXS100L FXS125L 	Concealed floor standing type FXN20L FXN25L FXN32L FXN40L FXN50L FXN63L 
Ceiling mounted built-in type -rear suction type - FXYB20K FXYB25K FXYB32K FXYB40K FXYB50K FXYB63K FXYB80K FXYB100K FXYB125K 	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.2 Outdoor Units

RX (Y) 5M	RX (Y) 8M,10M	RX (Y) 12M,14M,16M
5HP	8,10HP	12,14,16HP

RX (Y) 18M, 20M	RX (Y) 22M, 24M, 26M
18, 20HP	22, 24, 26HP

RX (Y) 28M, 30M, 32M	RX (Y) 34M, 36M
28, 30, 32HP	34, 36HP

RX (Y) 38M, 40M, 42M	RX (Y) 44M, 46M, 48M
38, 40, 42HP	44, 46, 48HP

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. Combination of Outdoor Units

System Capacity	Number of units	Module					
		5	8	10	12	14	16
5HP	1	●					
8HP	1		●				
10HP	1			●			
12HP	1				●		
14HP	1					●	
16HP	1						●
18HP	2		●	●			
20HP	2			●●			
22HP	2			●	●		
24HP	2			●		●	
26HP	2			●			●
28HP	2				●		●
30HP	2					●	●
32HP	2						●●
34HP	3			●●		●	
36HP	3			●●			●
38HP	3			●	●		●
40HP	3			●		●	●
42HP	3			●			●●
44HP	3				●		●●
46HP	3					●	●●
48HP	3						●●●

∗ Up to a maximum 48HP are realized by combining 8, 10, 12, 14 and 16HP.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4. Capacity Range

Outdoor Units

Capacity Range	5HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP
RX (Y)	5M	8M	10M	12M	14M	16M	18M	20M	22M	24M	26M
No of Indoor Units to be Connected	8	13	16	20					22	32	
Total Capacity Index of Indoor Units to be Connected	62.5 ~ 162.5	100 ~ 260	125 ~ 325	150 ~ 390	175 ~ 455	200 ~ 520	225 ~ 585	250 ~ 650	275 ~ 715	300 ~ 780	325 ~ 845

Capacity Range	28HP	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
RX (Y)	28M	30M	32M	34M	36M	38M	40M	42M	44M	46M	48M
No of Indoor Units to be Connected	32			34	36	38	40				
Total Capacity Index of Indoor Units to be Connected	350 ~ 910	375 ~ 975	400 ~ 1040	425 ~ 1105	450 ~ 1170	475 ~ 1235	500 ~ 1300	525 ~ 1365	550 ~ 1430	575 ~ 1495	600 ~ 1560

Indoor Units

Capacity Range		0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP	3 HP	3.2 HP	4 HP	5 HP	8 HP	10 HP
Capacity Index		20	25	31.25	40	50	62.5	71	80	100	125	200	250
Ceiling Mounted Cassette Type (Double Flow)	FXC	20L	25L	32L	40L	50L	63L	—	80L	—	125L	—	—
Ceiling Mounted Cassette Type (Multi Flow)	FXF	—	25L	32L	40L	50L	63L	—	80L	100L	125L	—	—
Ceiling Mounted Cassette Corner Type	FXK	—	25L	32L	40L	—	63L	—	—	—	—	—	—
Ceiling Mounted Low Silhouette Duct Type	FXYD	20KA	25KA	32KA	40KA	50KA	63KA	—	—	—	—	—	—
Ceiling Mounted Built-In Type	FXS	20L	25L	32L	40L	50L	63L	80L	100L	125L	—	—	—
Ceiling Mounted Built-In (Rear Suction) Type	FXYB	20K	25K	32K	40K	50K	63K	—	80K	100K	125K	—	—
Ceiling Mounted Duct Type	FXM	—	—	—	40L	50L	63L	—	80L	100L	125L	200L	250L
Ceiling Suspended Type	FXH	—	—	32L	—	—	63L	—	—	100L	—	—	—
Wall Mounted Type	FXA	20L	25L	32L	40L	50L	63L	—	—	—	—	—	—
Floor Standing Type	FXL	20L	25L	32L	40L	50L	63L	—	—	—	—	—	—
Concealed Floor Standing Type	FXN	20L	25L	32L	40L	50L	63L	—	—	—	—	—	—

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Part 2
Specifications

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Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Specifications

1.1 Outdoor Units

1.1.1 Heat Pump 50Hz <RXY-M>

Model Name			RXY5MY1(E)	RXY8MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	12,500	22,400
		Btu / h	49,200	88,800
		kW	14.4	26.0
★2 Cooling Capacity (19.0°CWB)		kW	14.0	25.2
★3 Heating Capacity		kcal / h	13,800	21,500
		Btu / h	54,600	85,400
		kW	16.0	25.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×635×765	1600×930×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	19.36	19.36+14.68
	Number of Revolutions	r.p.m	6480	6480, 2900
	Motor Output×Number of Units	kW	3.5×1	(1.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.35×1	0.75×1
	Air Flow Rate	m³/min	75	175
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ9.5 (Flare Connection)	ϕ12.7 (Brazing Connection)
	Gas Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ28.6 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	160	235
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	24~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	8.5	13.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.2	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038970	4D038971A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RXY10MY1(E)	RXY12MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	25,000	30,000
		Btu / h	98,700	118,000
		kW	28.9	34.5
★2 Cooling Capacity (19.0°CWB)		kW	28.0	33.5
★3 Heating Capacity		kcal / h	27,000	30,000
		Btu / h	108,000	118,000
		kW	31.5	34.7
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×930×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	19.36+14.68	19.36+14.68
	Number of Revolutions	r.p.m	6480, 2900	6480, 2900
	Motor Output×Number of Units	kW	(2.75+4.5)×1	(4.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m^3/min	180	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ12.7 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ28.6 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	235	290
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	14~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9	15.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A	4D038973A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RXY14MY1(E)	RXY16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	35,500	40,000
		Btu / h	141,000	158,000
		kW	41.2	46.4
★2 Cooling Capacity (19.0°CWB)		kW	40.0	45.0
★3 Heating Capacity		kcal / h	35,500	40,000
		Btu / h	142,000	154,000
		kW	41.5	45.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×1240×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	19.36+14.68+14.68	19.36+14.68+14.68
	Number of Revolutions	r.p.m	6480, 2900×2	6480, 2900×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)×1	(3.0+4.5+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m^3/min	210	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ15.9 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	331	333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	10~100	10~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1	18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6+1.6	1.9+1.6+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038974A	4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY18MY1(E)	RXY20MY1(E)
Model Name (Independent Unit)			RXY8MY1(E)+RXY10MY1(E)	RXY10MY1(E)+RXY10MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	47,400	50,000
		Btu / h	188,000	197,000
		kW	54.8	57.7
★2 Cooling Capacity (19.0°CWB)		kW	53.2	56.0
★3 Heating Capacity		kcal / h	48,500	54,000
		Btu / h	193,000	216,000
		kW	56.5	63.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)	(1600×930×765)+(1600×930×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2	(19.36+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)×2
	Motor Output×Number of Units	kW	(1.2+4.5)+(2.75+4.5)	(2.75+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	175+180	180+180
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+235	235+235
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	7~100	7~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.1+13.9	13.9+13.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038971A, 4D038972A	4D038972A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY22MY1(E)**	**RXY24MY1(E)**
Model Name (Independent Unit)			**RXY10MY1(E)+RXY12MY1(E)**	**RXY10MY1(E)+RXY14MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	55,000	60,500
		Btu / h	217,000	240,000
		kW	63.4	70.1
★2 Cooling Capacity (19.0°CWB)		kW	61.5	68.0
★3 Heating Capacity		kcal / h	57,000	62,500
		Btu / h	226,000	250,000
		kW	66.2	73.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)	(2.75+4.5)+(2.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	180+210	180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+290	235+331
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	7~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6	13.9+17.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A, 4D038973A	4D038972A, 4D038974A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY26MY1(E)	RXY28MY1(E)
Model Name (Independent Unit)			RXY10MY1(E)+RXY16MY1(E)	RXY12MY1(E)+RXY16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	65,000	70,000
		Btu / h	257,000	276,000
		kW	75.3	80.9
★2 Cooling Capacity (19.0°CWB)		kW	73.0	78.5
★3 Heating Capacity		kcal / h	67,000	70,000
		Btu / h	262,000	272,000
		kW	76.5	79.7
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)	(4.2+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m³/min	180+210	210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+333	290+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	6~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6	15.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A, 4D038975A	4D038973A, 4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY30MY1(E)**	**RXY32MY1(E)**
Model Name (Independent Unit)			**RXY14MY1(E)+RXY16MY1(E)**	**RXY16MY1(E)+RXY16MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	75,500	80,000
		Btu / h	299,000	316,000
		kW	87.6	92.8
★2 Cooling Capacity (19.0°CWB)		kW	85.0	90.0
★3 Heating Capacity		kcal / h	75,500	80,000
		Btu / h	296,000	308,000
		kW	86.5	90.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68+14.68)×2	(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900×2)×2	(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)	(3.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	210×2	210×2
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	331+333	333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	5~100	5~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6	18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038974A, 4D038975A	4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY34MY1(E)	RXY36MY1(E)
Model Name (Independent Unit)			RXY10MY1(E)+RXY10MY1(E)+RXY14MY1(E)	RXY10MY1(E)+RXY10MY1(E)+RXY16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	85,500	90,000
		Btu / h	338,000	355,000
		kW	99.0	104
★2 Cooling Capacity (19.0°CWB)		kW	96.0	101
★3 Heating Capacity		kcal / h	89,500	94,000
		Btu / h	358,000	370,000
		kW	105	108
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)×2+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)×2+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(2.75+4.5)+(2.0+4.5+4.5)	(2.75+4.5)+(2.75+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+180+210	180+180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+235+331	235+235+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+13.9+17.1	13.9+13.9+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A, 4D038974A	4D038972A, 4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY38MY1(E)	RXY40MY1(E)
Model Name (Independent Unit)			RXY10MY1(E)+RXY12MY1(E)+RXY16MY1(E)	RXY10MY1(E)+RXY14MY1(E)+RXY16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	95,000	101,000
		Btu / h	375,000	398,000
		kW	110	116
★2 Cooling Capacity (19.0°CWB)		kW	107	113
★3 Heating Capacity		kcal / h	97,000	103,000
		Btu / h	380,000	404,000
		kW	111	118
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)+(3.0+4.5+4.5)	(2.75+4.5)+(2.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+210+210	180+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+290+333	235+331+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6+18.6	13.9+17.1+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A, 4D038973A, 4D038975A	4D038972A, 4D038974A, 4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY42MY1(E)	RXY44MY1(E)
Model Name (Independent Unit)			RXY10MY1(E)+RXY16MY1(E)+RXY16MY1(E)	RXY12MY1(E)+RXY16MY1(E)+RXY16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	105,000	110,000
		Btu / h	415,000	434,000
		kW	122	127
★2 Cooling Capacity (19.0°CWB)		kW	118	124
★3 Heating Capacity		kcal / h	107,000	110,000
		Btu / h	416,000	426,000
		kW	122	125
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)+(19.36+14.68+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)×2	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)×2	(4.2+4.5)+(3.0+4.5+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m³/min	180+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+333+333	290+333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6+18.6	15.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038972A, 4D038975A	4D038973A, 4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY46MY1(E)**	**RXY48MY1(E)**
Model Name (Independent Unit)			**RXY14MY1(E)+RXY16MY1(E)+RXY16MY1(E)**	**RXY16MY1(E)+RXY16MY1(E)+RXY16MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	116,000	120,000
		Btu / h	457,000	474,000
		kW	134	139
★2 Cooling Capacity (19.0°CWB)		kW	130	135
★3 Heating Capacity		kcal / h	116,000	120,000
		Btu / h	450,000	462,000
		kW	132	135
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68+14.68)×3	(19.36+14.68+14.68)×3
	Number of Revolutions	r.p.m	(6480, 2900×2)×3	(6480, 2900×2)×3
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)×2	(3.0+4.5+4.5)×3
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	210+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	331+333+333	333+333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	3~100	3~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6+18.6	18.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D038974A, 4D038975A	4D038975A

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.1.2 Heat Pump 60Hz <RXY-M>

Model Name			RXY5MYL(E) RXY5MTL(E)	RXY8MYL(E) RXY8MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	12,500	20,000
		Btu / h	49,200	78,900
		kW	14.4	23.1
★2 Cooling Capacity (19.0°CWB)		kW	14.0	22.4
★3 Heating Capacity		kcal / h	13,800	21,500
		Btu / h	54,600	85,400
		kW	16.0	25.0
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×635×765	1600×930×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	19.36	19.36+14.68
	Number of Revolutions	r.p.m	6480	6480, 2900
	Motor Output×Number of Units	kW	3.5×1	(1.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.35×1	0.75×1
	Air Flow Rate	m³/min	75	175
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ9.5 (Flare Connection)	ϕ12.7 (Brazing Connection)
	Gas Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ28.6 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	160	235
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	24~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	8.5	13.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.2	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038976	4D038977
		TL(E)	4D038982	4D038983

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RXY10MYL(E) RXY10MTL(E)	RXY12MYL(E) RXY12MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	25,000	30,000
		Btu / h	98,700	118,000
		kW	28.9	34.5
★2 Cooling Capacity (19.0°CWB)		kW	28.0	33.5
★3 Heating Capacity		kcal / h	27,000	30,000
		Btu / h	108,000	118,000
		kW	31.5	34.7
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×930×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	19.36+14.68	19.36+14.68
	Number of Revolutions	r.p.m	6480, 2900	6480, 2900
	Motor Output×Number of Units	kW	(2.75+4.5)×1	(4.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m^3/min	180	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ12.7 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ28.6 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	235	290
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	14~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9	15.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978	4D038979
		TL(E)	4D038984	4D038985

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RXY14MYL(E) RXY14MTL(E)	RXY16MYL(E) RXY16MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	35,500	40,000
		Btu / h	141,000	158,000
		kW	41.2	46.4
★2 Cooling Capacity (19.0°CWB)		kW	40.0	45.0
★3 Heating Capacity		kcal / h	35,500	40,000
		Btu / h	142,000	154,000
		kW	41.5	45.0
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×1240×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	19.36+14.68+14.68	19.36+14.68+14.68
	Number of Revolutions	r.p.m	6480, 2900×2	6480, 2900×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)×1	(3.0+4.5+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m³/min	210	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ15.9 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg	331	333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	10~100	10~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1	18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6+1.6	1.9+1.6+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038980	4D038981
		TL(E)	4D038986	4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY18MYL(E) RXY18MTL(E)**	**RXY20MYL(E) RXY20MTL(E)**
Model Name (Independent Unit)			**RXY8MYL(E)+RXY10MYL(E) RXY8MTL(E)+RXY10MTL(E)**	**RXY10MYL(E)+RXY10MYL(E) RXY10MTL(E)+RXY10MTL(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	45,000	50,000
		Btu / h	178,000	197,000
		kW	52.0	57.7
★2 Cooling Capacity (19.0°CWB)		kW	50.4	56.0
★3 Heating Capacity		kcal / h	48,500	54,000
		Btu / h	193,000	216,000
		kW	56.5	63.0
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)	(1600×930×765)+(1600×930×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2	(19.36+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)×2
	Motor Output×Number of Units	kW	(1.2+4.5)+(2.75+4.5)	(2.75+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	175+180	180+180
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+235	235+235
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	7~100	7~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.1+13.9	13.9+13.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038977, 4D038978	4D038978
		TL(E)	4D038983, 4D038984	4D038984

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY22MYL(E) RXY22MTL(E)	RXY24MYL(E) RXY24MTL(E)
Model Name (Independent Unit)			RXY10MYL(E)+RXY12MYL(E) RXY10MTL(E)+RXY12MTL(E)	RXY10MYL(E)+RXY14MYL(E) RXY10MTL(E)+RXY14MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	55,000	60,500
		Btu / h	217,000	240,000
		kW	63.4	70.1
★2 Cooling Capacity (19.0°CWB)		kW	61.5	68.0
★3 Heating Capacity		kcal / h	57,000	62,500
		Btu / h	226,000	250,000
		kW	66.2	73.0
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)	(2.75+4.5)+(2.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m³/min	180+210	180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+290	235+331
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	7~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6	13.9+17.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978, 4D038979	4D038978, 4D038980
		TL(E)	4D038984, 4D038985	4D038984, 4D038986

Notes:
- ★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
- ★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
- ★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY26MYL(E) RXY26MTL(E)**	**RXY28MYL(E) RXY28MTL(E)**
Model Name (Independent Unit)			**RXY10MYL(E)+RXY16MYL(E) RXY10MTL(E)+RXY16MTL(E)**	**RXY12MYL(E)+RXY16MYL(E) RXY12MTL(E)+RXY16MTL(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	65,000	70,000
		Btu / h	257,000	276,000
		kW	75.3	80.9
★2 Cooling Capacity (19.0°CWB)		kW	73.0	78.5
★3 Heating Capacity		kcal / h	67,000	70,000
		Btu / h	262,000	272,000
		kW	76.5	79.7
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)	(4.2+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m³/min	180+210	210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+333	290+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	6~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6	15.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978, 4D038981	4D038979, 4D038981
		TL(E)	4D038984, 4D038987	4D038985, 4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY30MYL(E) RXY30MTL(E)	RXY32MYL(E) RXY32MTL(E)
Model Name (Independent Unit)			RXY14MYL(E)+RXY16MYL(E) RXY14MTL(E)+RXY16MTL(E)	RXY16MYL(E)+RXY16MYL(E) RXY16MTL(E)+RXY16MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	75,500	80,000
		Btu / h	299,000	316,000
		kW	87.6	92.8
★2 Cooling Capacity (19.0°CWB)		kW	85.0	90.0
★3 Heating Capacity		kcal / h	75,500	80,000
		Btu / h	296,000	308,000
		kW	86.5	90.0
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68+14.68)×2	(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900×2)×2	(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)	(3.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	210×2	210×2
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	331+333	333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	5~100	5~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6	18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038980, 4D038981	4D038981
		TL(E)	4D038986, 4D038987	4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY34MYL(E) RXY34MTL(E)**	**RXY36MYL(E) RXY36MTL(E)**
Model Name (Independent Unit)			**RXY10MYL(E)+RXY10MYL(E)+RXY14MYL(E) RXY10MTL(E)+RXY10MTL(E)+RXY14MTL(E)**	**RXY10MYL(E)+RXY10MYL(E)+RXY16MYL(E) RXY10MTL(E)+RXY10MTL(E)+RXY16MTL(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	85,500	90,000
		Btu / h	338,000	355,000
		kW	99.0	104
★2 Cooling Capacity (19.0°CWB)		kW	96.0	101
★3 Heating Capacity		kcal / h	89,500	94,000
		Btu / h	358,000	370,000
		kW	105	108
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)×2+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)×2+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(2.75+4.5)+(2.0+4.5+4.5)	(2.75+4.5)+(2.75+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+180+210	180+180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+235+331	235+235+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+13.9+17.1	13.9+13.9+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978, 4D038980	4D038978, 4D038981
		TL(E)	4D038984, 4D038986	4D038984, 4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY38MYL(E) RXY38MTL(E)	RXY40MYL(E) RXY40MTL(E)
Model Name (Independent Unit)			RXY10MYL(E)+RXY12MYL(E)+RXY16MYL(E) RXY10MTL(E)+RXY12MTL(E)+RXY16MTL(E)	RXY10MYL(E)+RXY14MYL(E)+RXY16MYL(E) RXY10MTL(E)+RXY14MTL(E)+RXY16MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	95,000	101,000
		Btu / h	375,000	398,000
		kW	110	116
★2 Cooling Capacity (19.0°CWB)		kW	107	113
★3 Heating Capacity		kcal / h	97,000	103,000
		Btu / h	380,000	404,000
		kW	111	118
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)+(3.0+4.5+4.5)	(2.75+4.5)+(2.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m³/min	180+210+210	180+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+290+333	235+331+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6+18.6	13.9+17.1+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978, 4D038979, 4D038981	4D038978, 4D038980, 4D038981
		TL(E)	4D038984, 4D038985, 4D038987	4D038984, 4D038986, 4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RXY42MYL(E) RXY42MTL(E)**	**RXY44MYL(E) RXY44MTL(E)**
Model Name (Independent Unit)			**RXY10MYL(E)+RXY16MYL(E)+RXY16MYL(E) RXY10MTL(E)+RXY16MTL(E)+RXY16MTL(E)**	**RXY12MYL(E)+RXY16MYL(E)+RXY16MYL(E) RXY12MTL(E)+RXY16MTL(E)+RXY16MTL(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	105,000	110,000
		Btu / h	415,000	434,000
		kW	122	127
★2 Cooling Capacity (19.0°CWB)		kW	118	124
★3 Heating Capacity		kcal / h	107,000	110,000
		Btu / h	416,000	426,000
		kW	122	125
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)+(19.36+14.68+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)×2	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)×2	(4.2+4.5)+(3.0+4.5+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	235+333+333	290+333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6+18.6	15.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038978, 4D038981	4D038979, 4D038981
		TL(E)	4D038984, 4D038987	4D038985, 4D068987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RXY46MYL(E) RXY46MTL(E)	RXY48MYL(E) RXY48MTL(E)
Model Name (Independent Unit)			RXY14MYL(E)+RXY16MYL(E)+RXY16MYL(E) RXY14MTL(E)+RXY16MTL(E)+RXY16MTL(E)	RXY16MYL(E)+RXY16MYL(E)+RXY16MYL(E) RXY16MTL(E)+RXY16MTL(E)+RXY16MTL(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	116,000	120,000
		Btu / h	457,000	474,000
		kW	134	139
★2 Cooling Capacity (19.0°CWB)		kW	130	135
★3 Heating Capacity		kcal / h	116,000	120,000
		Btu / h	450,000	462,000
		kW	132	135
Casing Color		YL, TL	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		YLE, TLE	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68+14.68)×3	(19.36+14.68+14.68)×3
	Number of Revolutions	r.p.m	(6480, 2900×2)×3	(6480, 2900×2)×3
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)×2	(3.0+4.5+4.5)×3
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m³/min	210+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg	331+333+333	333+333+333
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Defrost Method			Deicer	Deicer
Capacity Control		%	3~100	3~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6+18.6	18.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.		YL(E)	4D038980, 4D038981	4D038981
		TL(E)	4D038986, 4D038987	4D038987

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★3 Indoor temp. : 20°CDB / outdoor temp. : 7°CDB, 6°CWB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.1.3 Cooling Only 50Hz <RX-M>

Model Name			RX5MY1(E)	RX8MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	12,500	22,400
		Btu / h	49,200	88,800
		kW	14.4	26.0
★2 Cooling Capacity (19.0°CWB)		kW	14.0	25.2
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×635×765	1600×930×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	19.36	19.36+14.68
	Number of Revolutions	r.p.m	6480	6480, 2900
	Motor Output×Number of Units	kW	3.5×1	(1.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.35×1	0.75×1
	Air Flow Rate	m³/min	75	175
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ9.5 (Flare Connection)	ϕ12.7 (Brazing Connection)
	Gas Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ28.6 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	24~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	8.5	13.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.2	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D041534	4D039036

Notes:
- ★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
- ★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RX10MY1(E)	RX12MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	25,000	30,000
		Btu / h	98,700	118,000
		kW	28.9	34.5
★2 Cooling Capacity (19.0°CWB)		kW	28.0	33.5
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×930×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	19.36+14.68	19.36+14.68
	Number of Revolutions	r.p.m	6480, 2900	6480, 2900
	Motor Output×Number of Units	kW	(2.75+4.5)×1	(4.2+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m^3/min	180	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ12.7 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ28.6 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	14~100	14~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9	15.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6	1.9+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037	4D039038

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name			RX14MY1(E)	RX16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	35,500	40,000
		Btu / h	141,000	158,000
		kW	41.2	46.4
★2 Cooling Capacity (19.0°CWB)		kW	40.0	45.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	1600×1240×765	1600×1240×765
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	19.36+14.68+14.68	19.36+14.68+14.68
	Number of Revolutions	r.p.m	6480, 2900×2	6480, 2900×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)×1	(3.0+4.5+4.5)×1
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×1	0.75×1
	Air Flow Rate	m^3/min	210	210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ15.9 (Brazing Connection)	ϕ15.9 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	—	—
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	10~100	10~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1	18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	1.9+1.6+1.6	1.9+1.6+1.6
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039039	4D039040

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RX18MY1(E)	RX20MY1(E)
Model Name (Independent Unit)			RX8MY1(E)+RX10MY1(E)	RX10MY1(E)+RX10MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	47,400	50,000
		Btu / h	188,000	197,000
		kW	54.8	57.7
★2 Cooling Capacity (19.0°CWB)		kW	53.2	56.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)	(1600×930×765)+(1600×930×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2	(19.36+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)×2
	Motor Output×Number of Units	kW	(1.2+4.5)+(2.75+4.5)	(2.75+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	175+180	180+180
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ34.9 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	7~100	7~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.1+13.9	13.9+13.9
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039036, 4D039037	4D039037

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RX22MY1(E)**	**RX24MY1(E)**
Model Name (Independent Unit)			**RX10MY1(E)+RX12MY1(E)**	**RX10MY1(E)+RX14MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	55,000	60,500
		Btu / h	217,000	240,000
		kW	63.4	70.1
★2 Cooling Capacity (19.0°CWB)		kW	61.5	68.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)	(2.75+4.5)+(2.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	180+210	180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ19.1 (Brazing Connection)	ϕ19.1 (Brazing Connection)
	Gas Pipe	mm	ϕ34.9 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	7~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6	13.9+17.1
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037, 4D039038	4D039037, 4D039039

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RX26MY1(E)	RX28MY1(E)
Model Name (Independent Unit)			RX10MY1(E)+RX16MY1(E)	RX12MY1(E)+RX16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	65,000	70,000
		Btu / h	257,000	276,000
		kW	75.3	80.9
★2 Cooling Capacity (19.0°CWB)		kW	73.0	78.5
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)	(4.2+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	180+210	210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	6~100	6~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6	15.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037, 4D039040	4D039038, 4D039040

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RX30MY1(E)**	**RX32MY1(E)**
Model Name (Independent Unit)			**RX14MY1(E)+RX16MY1(E)**	**RX16MY1(E)+RX16MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	75,500	80,000
		Btu / h	299,000	316,000
		kW	87.6	92.8
★2 Cooling Capacity (19.0°CWB)		kW	85.0	90.0
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68+14.68)×2	(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900×2)×2	(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)	(3.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×2	0.75×2
	Air Flow Rate	m^3/min	210×2	210×2
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ41.3 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	5~100	5~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6	18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039039, 4D039040	4D039040

Notes:
- ★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
- ★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RX34MY1(E)	RX36MY1(E)
Model Name (Independent Unit)			RX10MY1(E)+RX10MY1(E)+RX14MY1(E)	RX10MY1(E)+RX10MY1(E)+RX16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	85,500	90,000
		Btu / h	338,000	355,000
		kW	99.0	104
★2 Cooling Capacity (19.0°CWB)		kW	96.0	101
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×930×765)+(1600×1240×765)	(1600×930×765)+(1600×930×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)×2+(19.36+14.68+14.68)
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)×2+(6480, 2900×2)
	Motor Output×Number of Units	kW	(2.75+4.5)+(2.75+4.5)+(2.0+4.5+4.5)	(2.75+4.5)+(2.75+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m³/min	180+180+210	180+180+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ41.3 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+13.9+17.1	13.9+13.9+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037, 4D039039	4D039037, 4D039040

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RX38MY1(E)**	**RX40MY1(E)**
Model Name (Independent Unit)			**RX10MY1(E)+RX12MY1(E)+RX16MY1(E)**	**RX10MY1(E)+RX14MY1(E)+RX16MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	95,000	101,000
		Btu / h	375,000	398,000
		kW	110	116
★2 Cooling Capacity (19.0°CWB)		kW	107	113
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×930×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)×2+(19.36+14.68+14.68)	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)×2+(6480, 2900×2)	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(4.2+4.5)+(3.0+4.5+4.5)	(2.75+4.5)+(2.0+4.5+4.5)+(3.0+4.5+4.5)
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+210+210	180+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+15.6+18.6	13.9+17.1+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037, 4D039038, 4D039040	4D039037, 4D039039, 4D039040

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			RX42MY1(E)	RX44MY1(E)
Model Name (Independent Unit)			RX10MY1(E)+RX16MY1(E)+RX16MY1(E)	RX12MY1(E)+RX16MY1(E)+RX16MY1(E)
★1 Cooling Capacity (19.5°CWB)		kcal / h	105,000	110,000
		Btu / h	415,000	434,000
		kW	122	127
★2 Cooling Capacity (19.0°CWB)		kW	118	124
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×930×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m^3/h	(19.36+14.68)+(19.36+14.68+14.68)×2	(19.36+14.68)+(19.36+14.68+14.68)×2
	Number of Revolutions	r.p.m	(6480, 2900)+(6480, 2900×2)×2	(6480, 2900)+(6480, 2900×2)×2
	Motor Output×Number of Units	kW	(2.75+4.5)+(3.0+4.5+4.5)×2	(4.2+4.5)+(3.0+4.5+4.5)×2
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m^3/min	180+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	4~100	4~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	13.9+18.6+18.6	15.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039037, 4D039040	4D039038, 4D039040

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Model Name (Combination Unit)			**RX46MY1(E)**	**RX48MY1(E)**
Model Name (Independent Unit)			**RX14MY1(E)+RX16MY1(E)+RX16MY1(E)**	**RX16MY1(E)+RX16MY1(E)+RX16MY1(E)**
★1 Cooling Capacity (19.5°CWB)		kcal / h	116,000	120,000
		Btu / h	457,000	474,000
		kW	134	139
★2 Cooling Capacity (19.0°CWB)		kW	130	135
Casing Color		Y1	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
		Y1E	Light Camel (2.5Y6.5/1.5)	Light Camel (2.5Y6.5/1.5)
Dimensions: (H×W×D)		mm	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)	(1600×1240×765)+(1600×1240×765)+(1600×1240×765)
Heat Exchanger			Cross Fin Coil	Cross Fin Coil
Comp.	Type		Hermetically Sealed Scroll Type	Hermetically Sealed Scroll Type
	Piston Displacement	m³/h	(19.36+14.68+14.68)×3	(19.36+14.68+14.68)×3
	Number of Revolutions	r.p.m	(6480, 2900×2)×3	(6480, 2900×2)×3
	Motor Output×Number of Units	kW	(2.0+4.5+4.5)+(3.0+4.5+4.5)×2	(3.0+4.5+4.5)×3
	Starting Method		Direct on Line	Direct on Line
Fan	Type		Propeller Fan	Propeller Fan
	Motor Output	kW	0.75×3	0.75×3
	Air Flow Rate	m³/min	210+210+210	210+210+210
	Drive		Direct Drive	Direct Drive
Connecting Pipes	Liquid Pipe	mm	ϕ22.2 (Brazing Connection)	ϕ22.2 (Brazing Connection)
	Gas Pipe	mm	ϕ54.1 (Brazing Connection)	ϕ54.1 (Brazing Connection)
	Oil Equalizing Pipe	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
Machine Weight		kg		
Safety Devices			High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs	High Pressure Switch, Fan Driver Overload Protector, Over Current Relay, Inverter Overload Protector, Fusible Plugs
Capacity Control		%	3~100	3~100
Refrigerant	Refrigerant Name		R22	R22
	Charge	kg	17.1+18.6+18.6	18.6+18.6+18.6
	Control		Electronic Expansion Valve	Electronic Expansion Valve
Refrigerator Oil			SUNISO 4GSDID-K	SUNISO 4GSDID-K
	Charge Volume	L	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)	(1.9+1.6+1.6)+(1.9+1.6+1.6)+(1.9+1.6+1.6)
Standard Accessories			Installation Manual, Operation Manual, Connection Pipes, Clamps	Installation Manual, Operation Manual, Connection Pipes, Clamps
Drawing No.			4D039039, 4D039040	4D039040

Notes:
★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp. : 35°CDB / Equivalent piping length : 7.5m, level difference : 0m.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.2 Indoor Units

Ceiling Mounted Cassette Type (Double-flow)

Model			FXC20LVE	FXC25LVE	FXC32LVE	FXC40LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150	4,000
		Btu/h	7,900	9,900	12,500	15,900
		kW	2.3	2.9	3.7	4.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6	4.5
★3 Heating Capacity		kcal/h	2,200	2,800	3,400	4,300
		Btu/h	8,500	10,900	13,600	17,000
		kW	2.5	3.2	4.0	5.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	305×780×600	305×780×600	305×780×600	305×995×600
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×10×1.5	2×10×1.5	2×10×1.5	2×10×1.5
	Face Area	m²	2×0.100	2×0.100	2×0.100	2×0.145
Fan	Model		D17K2AA1	D17K2AB1	D17K2AB1	2D17K1AA1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	10×1	15×1	15×1	20×1
	Air Flow Rate (H/L)	m³/min	7/5	9/6.5	9/6.5	12/9
		cfm	247/177	318/230	318/230	424/318
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	26	26	26	31
★5 Sound Level (H/L) (220V)		dBA	32/27	34/28	34/28	34/29
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Decoration Panels (Option)	Model		BYBC32G-W1	BYBC32G-W1	BYBC32G-W1	BYBC50G-W1
	Panel Color		White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)	mm	53×1,030×680	53×1,030×680	53×1,030×680	53×1,245×680
	Air Filter		Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight	kg	8	8	8	8.5
Standard Accessories			Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.
Drawing No.			3D034244A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Cassette Type (Double-flow)

Model			FXC50LVE	FXC63LVE	FXC80LVE	FXC125LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	5,000	6,300	8,000	12,500
		Btu/h	19,900	25,000	31,800	49,600
		kW	5.8	7.3	9.3	14.5
★2 Cooling Capacity (19.0°CWB)		kW	5.6	7.1	9.0	14.0
★3 Heating Capacity		kcal/h	5,400	6,900	8,600	13,800
		Btu/h	21,500	27,300	34,100	54,600
		kW	6.3	8.0	10.0	16.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	305×995×600	305×1,180×600	305×1,670×600	305×1,670×600
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×10×1.5	2×10×1.5	2×10×1.5	2×10×1.5
	Face Area	m²	2×0.145	2×0.184	2×0.287	2×0.287
Fan	Model		2D17K1AA1	2D17K2AA1VE	3D17K2AA1	3D17K2AB1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	20×1	30×1	50×1	85×1
	Air Flow Rate (H/L)	m³/min	12/9	16.5/13	26/21	33/25
		cfm	424/318	582/459	918/741	1,165/883
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam	Glass Wool/Urethane Foam
Piping Connections	Liquid Pipes	mm	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ19.1 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)
Machine Weight		kg	32	35	47	48
★5 Sound Level (H/L)		dBA	34/29	37/32	39/34	44/38
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Decoration Panels (Option)	Model		BYBC50G-W1	BYBC63G-W1	BYBC125G-W1	BYBC125G-W1
	Panel Color		White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)	mm	53×1,245×680	53×1,430×680	53×1,920×680	53×1,920×680
	Air Filter		Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight	kg	8.5	9.5	12	12
Standard Accessories			Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Washer for Hanging Brackets, Clamp Metal, Drain Hose, Insulation for Fitting, Washer Fixing Plates, Sealing Pads, Clamps, Screws, Washers.
Drawing No.			3D034244A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Cassette Type (Multi-flow)

Model			FXF25LVE	FXF32LVE	FXF40LVE	FXF50LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,500	3,150	4,000	5,000
		Btu/h	9,900	12,500	15,900	19,900
		kW	2.9	3.7	4.7	5.8
★2 Cooling Capacity (19.0°CWB)		kW	2.8	3.6	4.5	5.6
★3 Heating Capacity		kcal/h	2,800	3,400	4,300	5,400
		Btu/h	10,900	13,600	17,000	21,500
		kW	3.2	4.0	5.0	6.3
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	246×840×840	246×840×840	246×840×840	246×840×840
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×8×1.2	2×8×1.2	2×8×1.2	2×8×1.2
	Face Area	m²	0.363	0.363	0.363	0.363
Fan	Model		QTS46D14M	QTS46D14M	QTS46D14M	QTS46D14M
	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output × Number of Units	W	30×1	30×1	30×1	30×1
	Air Flow Rate (H/L)	m³/min	13/10	13/10	15/11	16/11
		cfm	459/353	459/353	530/388	565/388
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Polyurethane Form	Polyurethane Form	Polyurethane Form	Polyurethane Form
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	24	24	24	24
★5 Sound Level (H/L) (220V)(cooling)		dBA	30/27	30/27	31/27	32/27
Safety Devices			Fuse	Fuse	Fuse	Fuse
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Decoration Panels (Option)	Model		BYCP125D-W1	BYCP125D-W1	BYCP125D-W1	BYCP125D-W1
	Panel Color		White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)	mm	45×950×950	45×950×950	45×950×950	45×950×950
	Air Filter		Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight	kg	5.5	5.5	5.5	5.5
Standard Accessories			Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.
Drawing No.			3D034210A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Cassette Type (Multi-flow)

Model			FXF63LVE	FXF80LVE	FXF100LVE	FXF125LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	6,300	8,000	10,000	12,500
		Btu/h	25,000	31,800	39,700	49,600
		kW	7.3	9.3	11.6	14.5
★2 Cooling Capacity (19.0°CWB)		kW	7.1	9.0	11.2	14.0
★3 Heating Capacity		kcal/h	6,900	8,600	10,800	13,800
		Btu/h	27,300	34,100	42,700	54,600
		kW	8.0	10.0	12.5	16.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	246×840×840	246×840×840	288×840×840	288×840×840
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×10×1.2	2×10×1.2	2×12×1.2	2×12×1.2
	Face Area	m²	0.454	0.454	0.544	0.544
Fan	Model		QTS46D14M	QTS46D14M	QTS46C17M	QTS46C17M
	Type		Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output × Number of Units	W	30×1	30×1	120×1	120×1
	Air Flow Rate (H/L)	m³/min	18.5/14	20/15	26/21	30/24
		cfm	653/494	706/530	918/741	1,059/847
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Polyurethane Form	Polyurethane Form	Polyurethane Form	Polyurethane Form
Piping Connections	Liquid Pipes	mm	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ19.1 (Flare Connection)	ϕ19.1 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	25	25	29	29
★5 Sound Level (H/L)(cooling)		dBA	33/28	36/31	39/33	42/36
Safety Devices			Fuse	Fuse	Fuse	Fuse
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Decoration Panels (Option)	Model		BYCP125D-W1	BYCP125D-W1	BYCP125D-W1	BYCP125D-W1
	Panel Color		White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)	mm	45×950×950	45×950×950	45×950×950	45×950×950
	Air Filter		Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight	kg	5.5	5.5	5.5	5.5
Standard Accessories			Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.	Operation manual, Installation manual, Paper pattern for installation, Drain hose, Clamp metal, Washer fixing plate, Sealing pads, Clamps, Screws, Washer for hanging bracket, Insulation for fitting.
Drawing No.			3D034210A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Cassette Corner Type

Model				FXK25LVE	FXK32LVE	FXK40LVE	FXK63LVE
★1 Cooling Capacity (19.5°CWB)			kcal/h	2,500	3,150	4,000	6,300
			Btu/h	9,900	12,500	15,900	25,000
			kW	2.9	3.7	4.7	7.3
★2 Cooling Capacity (19.0°CWB)			kW	2.8	3.6	4.5	7.1
★3 Heating Capacity			kcal/h	2,800	3,400	4,300	6,900
			Btu/h	10,900	13,600	17,000	27,300
			kW	3.2	4.0	5.0	8.0
Casing				Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)			mm	215×1,110×710	215×1,110×710	215×1,110×710	215×1,310×710
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch		mm	2×11×1.75	2×11×1.75	2×11×1.75	3×11×1.75
	Face Area		m²	0.180	0.180	0.180	0.226
Fan	Model			3D12H1AN1V1	3D12H1AN1V1	3D12H1AP1V1	4D12H1AJ1V1
	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units		W	15×1	15×1	20×1	45×1
	Air Flow Rate (H/L)	50Hz	m³/min	11/9	11/9	13/10	18/15
			cfm	388/318	388/318	459/353	635/530
		60Hz	m³/min	11/8.5	11/8.5	13/10	18/13
			cfm	388/300	388/300	459/353	635/459
	Drive			Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control				Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material				Polyethylene Foam	Polyethylene Foam	Polyethylene Foam	Polyethylene Foam
Piping Connections	Liquid Pipes		mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes		mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe		mm	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)
Machine Weight			kg	31	31	31	34
★5 Sound Level (H/L) (220V)			dBA	38/33	38/33	40/34	42/37
Safety Devices				Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor
Refrigerant Control				Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Units				R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Decoration Panels (Option)	Model			BYK45FJW1	BYK45FJW1	BYK45FJW1	BYK71FJW1
	Panel Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)		mm	70×1,240×800	70×1,240×800	70×1,240×800	70×1,440×800
	Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
	Weight		kg	8.5	8.5	8.5	9.5
Standard Accessories				Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers, Positioning Jig for Installation, Insulation for Hanger Bracket, Air Outlet Blocking Pad.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers, Positioning Jig for Installation, Insulation for Hanger Bracket, Air Outlet Blocking Pad.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers, Positioning Jig for Installation, Insulation for Hanger Bracket, Air Outlet Blocking Pad.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers, Positioning Jig for Installation, Insulation for Hanger Bracket, Air Outlet Blocking Pad.
Drawing No.				3D037070			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Low Silhouette Duct Type

★6 **Model**			**FXYD20KAVE**	**FXYD25KAVE**	**FXYD32KAVE**
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150
		Btu/h	7,900	9,900	12,500
		kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6
★3 Heating Capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	260×900×580	260×900×580	260×900×580
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×10×1.75	2×10×1.75	2×10×1.75
	Face Area	m^2	0.147	0.147	0.147
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	45×1	45×1	45×1
	Air Flow Rate (H/L)	m^3/min	12/11	12/11	12/11
		cfm	424/388	424/388	424/388
	External Static Pressure	Pa	49	49	49
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Regulator			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Form Polyethylene	Form Polyethylene	Form Polyethylene
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	in.	3/4B	3/4B	3/4B
Machine Weight		kg	23	23	23
★5 Sound Level (H/L)		dBA	38/35	38/35	38/35
Safety Devices			Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series	R22 : K or M Series	R22 : K or M Series
Standard Accessories			Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.	Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.	Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.
Drawing No.			C : 3D024660		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.
When the place of suction is changed to the bottom suction, the sound level will increase by approx. 5 dBA.

★6 Model name for other country

For General Country	FXYD20KAVE	FXYD25KAVE	FXYD32KAVE
For Thailand	FXYD20KVES	FXYD25KVES	FXYD32KVES

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Low Silhouette Duct Type

★6 Model			FXYD40KAVE	FXYD50KAVE	FXYD63KAVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300
		Btu/h	15,900	19,900	25,000
		kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1
★3 Heating Capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,000	21,500	27,300
		kW	5.0	6.3	8.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	260×900×580	260×1,300×580	260×1,300×580
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×10×1.75	2×10×1.75	3×10×1.75
	Face Area	m^2	0.147	0.231	0.231
Fan	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	45×1	65×1	65×1
	Air Flow Rate (H/L)	m^3/min	12/11	17/15	17/15
		cfm	424/388	600/530	600/530
	External Static Pressure	Pa	49	49	49
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Form Polyethylene	Form Polyethylene	Form Polyethylene
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	in.	3/4B	3/4B	3/4B
Machine Weight		kg	24	31	32
★5 Sound Level (H/L)		dBA	38/35	41/38	41/38
Safety Devices			Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series	R22 : K or M Series	R22 : K or M Series
Standard Accessories			Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.	Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.	Operation Manual, Installation Manual, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws for Duct Flanges.
Drawing No.			C : 3D024660		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.
When the place of suction is changed to the bottom suction, the sound level will increase by approx. 5 dBA.

★6 Model name for other country

For General Country	FXYD40KAVE	FXYD50KAVE	FXYD63KAVE
For Thailand	FXYD40KVES	FXYD50KVES	FXYD63KVES

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in Type

Model				FXS20LVE	FXS25LVE	FXS32LVE
★1 Cooling Capacity (19.5°CWB)			kcal/h	2,000	2,500	3,150
			Btu/h	7,900	9,900	12,500
			kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)			kW	2.2	2.8	3.6
★3 Heating Capacity			kcal/h	2,200	2,800	3,400
			Btu/h	8,500	10,900	13,600
			kW	2.5	3.2	4.0
Casing				Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)			mm	300×550×800	300×550×800	300×550×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch		mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area		m²	0.088	0.088	0.088
Fan	Model			D18H3A	D18H3A	D18H3A
	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units		W	50×1	50×1	50×1
	Air Flow Rate (H/L)	(50Hz)	m³/min	9/6.5	9/6.5	9.5/7
		(60Hz)	m³/min	9/6.5	9/6.5	9.5/6.5
	★4 Static external pressure	(50Hz)	Pa	88-39-20	88-39-20	64-39-15
		(60Hz)	Pa	73-24-10	73-24-10	86-42-10
	Drive			Direct Drive	Direct Drive	Direct Drive
Temperature Control				Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material				Glass Fiber	Glass Fiber	Glass Fiber
Air Filter				Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes		mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes		mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe		mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight			kg	30	30	30
★7 Sound Level (H/L) (220V)			dBA	37/32	37/32	38/32
Safety Devices				Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control				Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit				R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series
Decoration Panel (Option)	Model			BYBS32DJW1	BYBS32DJW1	BYBS32DJW1
	Panel Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)		mm	55×650×500	55×650×500	55×650×500
	Weight		kg	3	3	3
Standard Accessories				Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.
Drawing No.				3D036931		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard -Low static pressure".
★5 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard".
6 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.
★7 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in Type

Model				FXS40LVE	FXS50LVE	FXS63LVE
★1 Cooling Capacity (19.5°CWB)			kcal/h	4,000	5,000	6,300
			Btu/h	15,900	19,900	25,000
			kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)			kW	4.5	5.6	7.1
★3 Heating Capacity			kcal/h	4,300	5,400	6,900
			Btu/h	17,000	21,500	27,300
			kW	5.0	6.3	8.0
Casing				Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)			mm	300×700×800	300×700×800	300×1,000×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch		mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area		m²	0.132	0.132	0.221
Fan	Model			D18H2A	D18H2A	2D18H2A
	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units		W	65×1	85×1	125×1
	Air Flow Rate (H/L)	(50Hz)	m³/min	11.5/9	15/11	21/15.5
		(60Hz)	m³/min	11.5/9	15/11	21/14
	★4 Static external pressure	(50Hz)	Pa	88-49-20	88-59-29	88-49-20
		(60Hz)	Pa	88-29-10	88-41-10	122-66-10
	Drive			Direct Drive	Direct Drive	Direct Drive
Temperature Control				Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material				Glass Fiber	Glass Fiber	Glass Fiber
Air Filter				Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes		mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes		mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe		mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight			kg	30	31	41
★7 Sound Level (H/L)			dBA	38/32	41/36	42/35
Safety Devices				Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control				Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit				R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series
Decoration Panel (Option)	Model			BYBS45DJW1	BYBS45DJW1	BYBS71DJW1
	Panel Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)		mm	55×800×500	55×800×500	55×1,100×500
	Weight		kg	3.5	3.5	4.5
Standard Accessories				Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.
Drawing No.				3D036931		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard -Low static pressure".
★5 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard".
6 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.
★7 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in Type

Model				FXS80LVE	FXS100LVE	FXS125LVE
★1 Cooling Capacity (19.5°CWB)			kcal/h	8,000	10,000	12,500
			Btu/h	31,800	39,700	49,600
			kW	9.3	11.6	14.5
★2 Cooling Capacity (19.0°CWB)			kW	9.0	11.2	14.0
★3 Heating Capacity			kcal/h	8,600	10,800	13,800
			Btu/h	34,100	42,700	54,600
			kW	10.0	12.5	16.0
Casing				Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)			mm	300×1,400×800	300×1,400×800	300×1,400×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch		mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area		m^2	0.338	0.338	0.338
Fan	Model			3D18H2A	3D18H2A	3D18H2A
	Type			Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units		W	225×1	225×1	225×1
	Air Flow Rate (H/L)	(50Hz)	m^3/min	27/21.5	28/22	38/28
		(60Hz)	m^3/min	27/20.5	28/21	38/27
	★5 Static external pressure	(50Hz)	Pa	113-82	107-75	78-39
		(60Hz)	Pa	147-92	136-83	78-20
	Drive			Direct Drive	Direct Drive	Direct Drive
Temperature Control				Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material				Glass Fiber	Glass Fiber	Glass Fiber
Air Filter				Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes		mm	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes		mm	ϕ15.9 (Flare Connection)	ϕ19.1 (Flare Connection)	ϕ19.1 (Flare Connection)
	Drain Pipe		mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight			kg	51	51	52
★7 Sound Level (H/L)			dBA	43/37	43/37	46/41
Safety Devices				Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control				Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit				R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series	R22 : K or M Series, R407C : K or L Series
Decoration Panel (Option)	Model			BYBS125DJW1	BYBS125DJW1	BYBS125DJW1
	Panel Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
	Dimensions: (H×W×D)		mm	55×1,500×500	55×1,500×500	55×1,500×500
	Weight		kg	6.5	6.5	6.5
Standard Accessories				Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws, Washers.
Drawing No.				3D036931		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard -Low static pressure".
★5 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard".
6 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.
★7 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in (Rear Suction Type)

Model			FXYB20KV1	FXYB25KV1	FXYB32KV1
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150
		Btu/h	7,900	9,900	12,500
		kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6
★3 Heating Capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	300×550×800	300×550×800	300×550×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area	m²	0.088	0.088	0.088
Fan	Model		D18H3AA1V1	D18H3AA1V1	D18H3AA1V1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	50×1	50×1	50×1
	Air Flow Rate (H/L)	m³/min	9/6.5	9/6.5	9/6.5
		cfm	318/230	318/230	318/230
	★4 External Static Pressure	Pa	88-39-20	88-39-20	88-39-20
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber	Glass Fiber	Glass Fiber
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	30	30	30
★6 Sound Level (H/L) (220V)		dBA	27/23	27/23	27/23
Safety Devices			Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor	Fuse Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 : K or M Series	R22 : K or M Series	R22 : K or M Series
Standard Accessories			Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.
Drawing No.			C : 3D023749		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 External static pressure is changeable to change over the connectors inside electrical box, this pressure means
"High static pressure-Standard-Low static pressure".
5 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.
★6 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in (Rear Suction Type)

Model			FXYB40KV1	FXYB50KV1	FXYB63KV1
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300
		Btu/h	15,900	19,900	25,000
		kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1
★3 Heating Capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,000	21,500	27,300
		kW	5.0	6.3	8.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	300×700×800	300×700×800	300×1,000×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area	m^2	0.132	0.132	0.221
Fan	Model		D18H2AC1V1	D18H2AB1V1	2D18H2AB1V1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	65×1	85×1	125×1
	Air Flow Rate (H/L)	m^3/min	11.5/9	14/10	19/14
		cfm	406/318	494/353	671/494
	★4 External Static Pressure	Pa	88-49-20	88-49-20	88-49-20
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber	Glass Fiber	Glass Fiber
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	30	31	41
★6 Sound Level (H/L)		dBA	28/24	30/25	32/25
Safety Devices			Fuse Thermal Protector for Fan Motor	Thermal Protector for Fan Motor	Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 : K or M Series	R22 : K or M Series	R22 : K or M Series
Standard Accessories			Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.
Drawing No.			C : 3D023749		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

★4 External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".

5 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.

★6 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Built-in (Rear Suction Type)

Model			FXYB80KV1	FXYB100KV1	FXYB125KV1
★1 Cooling Capacity (19.5°CWB)		kcal/h	8,000	10,000	12,500
		Btu/h	31,800	39,700	49,600
		kW	9.3	11.6	14.5
★2 Cooling Capacity (19.5°CWB)		kW	9.0	11.2	14.0
★3 Heating Capacity		kcal/h	8,600	10,800	13,800
		Btu/h	34,100	42,700	54,600
		kW	10.0	12.5	16.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	300×1,400×800	300×1,400×800	300×1,400×800
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.75	3×14×1.75	3×14×1.75
	Face Area	m²	0.338	0.338	0.338
Fan	Model		3D18H2AH1V1	3D18H2AH1V1	3D18H2AG1V1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	135×1	135×1	225×1
	Air Flow Rate (H/L)	m³/min	27/20	27/20	35/24
		cfm	953/706	953/706	1,236/847
	★4 External Static Pressure	Pa	88-49	88-49	88-49
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber	Glass Fiber	Glass Fiber
Piping Connections	Liquid Pipes	mm	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ15.9 (Flare Connection)	ϕ19.1 (Flare Connection)	ϕ19.1 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)
Machine Weight		kg	51	51	52
★6 Sound Level (H/L)		dBA	32/27	32/27	34/27
Safety Devices			Thermal Fuse for Fan Motor	Thermal Fuse for Fan Motor	Fuse Thermal Fuse for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 : K or M Series	R22 : K or M Series	R22 : K or M Series
Standard Accessories			Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Sealing Pads, Clamps, Fuses, Screws, Washers.
Drawing No.			C : 3D023749		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 External static pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure Standard".
5 Capacities are net, including a deduction for cooling (an additional for heating) for indoor fan motor heat.
★6 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Duct Type

Model			FXM40LVE	FXM50LVE	FXM63LVE	FXM80LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300	8,000
		Btu/h	15,900	19,900	25,000	31,800
		kW	4.7	5.8	7.3	9.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1	9.0
★3 Heating Capacity		kcal/h	4,300	5,400	6,900	8,600
		Btu/h	17,000	21,500	27,300	34,100
		kW	5.0	6.3	8.0	10.0
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	390×720×690	390×720×690	390×720×690	390×1,110×690
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×16×2.0	3×16×2.0	3×16×2.0	3×16×2.0
	Face Area	m²	0.181	0.181	0.181	0.319
Fan	Model		D11/2D3AB1VE	D11/2D3AB1VE	D11/2D3AA1VE	2D11/2D3AG1VE
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	100×1	100×1	160×1	270×1
	Air Flow Rate (H/L)	m³/min	14/11.5	14/11.5	19.5/16	29/23
		cfm	494/406	494/406	688/565	1,024/812
	External Static Pressure	Pa	157/157-118/108 ★4	157/157-118/108 ★4	157/160-108/98 ★4	157/172-98/98 ★4
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber	Glass Fiber	Glass Fiber	Glass Fiber
Air Filter			★5	★5	★5	★5
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)	VP25 (External Dia. 32 / Internal Dia. 25)
Machine Weight		kg	44	44	45	62
★7 Sound Level (H/L)		dBA	39/35	39/35	42/38	43/39
Safety Devices			Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Standard Accessories			Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.
Drawing No.			3D034584A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
★5 Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.
6 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★7 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Mounted Duct Type

Model			FXM100LVE	FXM125LVE	FXM200LVE	FXM250LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	10,000	12,500	20,000	25,000
		Btu/h	39,700	49,600	79,000	99,000
		kW	11.6	14.5	23.0	28.8
★2 Cooling Capacity (19.0°CWB)		kW	11.2	14.0	22.4	28.0
★3 Heating Capacity		kcal/h	10,800	13,800	21,500	27,000
		Btu/h	42,700	54,600	85,300	107,500
		kW	12.5	16.0	25.0	31.5
Casing			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	390×1,110×690	390×1,110×690	470×1,380×1,100	470×1,380×1,100
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×16×2.0	3×16×2.0	3×26×2.0	3×26×2.0
	Face Area	m²	0.319	0.319	0.68	0.68
Fan	Model		2D11/2D3AG1VE	2D11/2D3AF1VE	D13/4G2DA1×2	D13/4G2DA1×2
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	270×1	430×1	380×2	380×2
	Air Flow Rate (H/L)	m³/min	29/23	36/29	58/50	72/62
		cfm	1,024/812	1,271/1,024	2,047/1,765	2,542/2,189
	External Static Pressure	Pa	157/172-98/98 ★4	191/245-152/172 ★4	221/270-132 ★4	270/191-147 ★4
	Drive		Direct Drive	Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber	Glass Fiber	Glass Fiber	Glass Fiber
Air Filter			★5	★5	★5	★5
Piping Connections	Liquid Pipes	mm	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Gas Pipes	mm	ϕ19.1 (Flare Connection)	ϕ19.1 (Flare Connection)	ϕ25.4 (Brazing Connection)	ϕ28.6 (Brazing Connection)
	Drain Pipe	mm	VP25 (External Dia. 32 Internal Dia. 25)	VP25 (External Dia. 32 Internal Dia. 25)	PS1B	PS1B
Machine Weight		kg	63	65	137	137
★7 Sound Level (H/L)		dBA	43/39	45/42	48/45	48/45
Safety Devices			Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Fuse for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series	R22 ; K or M Series R407C ; K or L Series
Standard Accessories			Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.	Operation Manual, Installation Manual, Drain Hose, Clamp Metal, Insulation for Fitting, Sealing Pads, Clamps, Screws.	Operation Manual, Installation Manual, Sealing Pads, Connection Pipes, Screws, Clamps.	Operation Manual, Installation Manual, Sealing Pads, Connection Pipes, Screws, Clamps.
Drawing No.			3D034584A			

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.
★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)
★4 Static external pressure is changeable to change over the connectors inside electrical box, this pressure means "High static pressure-Standard".
★5 Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method (gravity method) 50% or more.
6 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★7 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Ceiling Suspended Type

Model			FXH32LVE	FXH63LVE	FXH100LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	3,150	6,300	10,000
		Btu/h	12,500	25,000	39,700
		kW	3.7	7.3	11.6
★2 Cooling Capacity (19.0°CWB)		kW	3.6	7.1	11.2
★3 Heating Capacity		kcal/h	3,400	6,900	10,800
		Btu/h	13,600	27,300	42,700
		kW	4.0	8.0	12.5
Casing Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
Dimensions: (H×W×D)		mm	195×960×680	195×1,160×680	195×1,400×680
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×12×1.75	3×12×1.75	3×12×1.75
	Face Area	m^2	0.182	0.233	0.293
Fan	Model		3D12K1AA1	4D12K1AA1	3D12K2AA1
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	62×1	62×1	130×1
	Air Flow Rate (H/L)	m^3/min	12/10	17.5/14	25/19.5
		cfm	424/353	618/494	883/688
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Wool	Glass Wool	Glass Wool
Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ19.1 (Flare Connection)
	Drain Pipe	mm	VP20 (External Dia. 26 Internal Dia. 20)	VP20 (External Dia. 26 Internal Dia. 20)	VP20 (External Dia. 26 Internal Dia. 20)
Machine Weight		kg	24	28	33
★5 Sound Level (H/L)		dBA	36/31	39/34	45/37
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22 ; K or M Series, R407C ; K or L Series	R22 ; K or M Series, R407C ; K or L Series	R22 ; K or M Series, R407C ; K or L Series
Standard Accessories			Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Clamps, Washers, Flare Nut.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Clamps, Washers.	Operation Manual, Installation Manual, Paper Pattern for Installation, Drain Hose, Clamp Metal, Insulation for Fitting, Clamps, Washers.
Drawing No.			3D035297		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860
Btu/h=kW×3414
cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Wall Mounted Type

Model			FXA20LVE	FXA25LVE	FXA32LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150
		Btu/h	7,900	9,900	12,500
		kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6
★3 Heating Capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Casing Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
Dimensions: (H×W×D)		mm	290×795×230	290×795×230	290×795×230
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×14×1.4	2×14×1.4	2×14×1.4
	Face Area	m^2	0.161	0.161	0.161
Fan	Model		—	—	—
	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output × Number of Units	W	40×1	40×1	40×1
	Air Flow Rate (H/L)	m^3/min	7.5/4.5	8/5	9/5.5
		cfm	265/159	282/177	318/194
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Foamed Polystyrene / Foamed Polyethylene	Foamed Polystyrene / Foamed Polyethylene	Foamed Polystyrene / Foamed Polyethylene
Air Filter			Resin Net (Washable)	Resin Net (Washable)	Resin Net (Washable)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	mm	VP13 (External Dia. 18 Internal Dia. 13)	VP13 (External Dia. 18 Internal Dia. 13)	VP13 (External Dia. 18 Internal Dia. 13)
Machine Weight		kg	11	11	11
★5 Sound Level (H/L)		dBA	35/29	36/29	37/29
Safety Devices			Fuse	Fuse	Fuse
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22:K or M Series R407C:K or L Series	R22:K or M Series R407C:K or L Series	R22:K or M Series R407C:K or L Series
Standard Accessories			Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.	Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.	Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.
Drawing No.			3D034904A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length:7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Wall Mounted Type

Model			FXA40LVE	FXA50LVE	FXA63LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300
		Btu/h	15,900	19,900	25,000
		kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1
★3 Heating Capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,000	21,500	27,300
		kW	5.0	6.3	8.0
Casing Color			White (10Y9/0.5)	White (10Y9/0.5)	White (10Y9/0.5)
Dimensions: (H×W×D)		mm	290×1,050×230	290×1,050×230	290×1,050×230
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	2×14×1.4	2×14×1.4	2×14×1.4
	Face Area	m²	0.213	0.213	0.213
Fan	Model		—	—	—
	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output × Number of Units	W	43×1	43×1	43×1
	Air Flow Rate (H/L)	m³/min	12/9	15/12	19/14
		cfm	424/318	530/424	671/494
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Foamed Polystyrene / Foamed Polyethylene	Foamed Polystyrene / Foamed Polyethylene	Foamed Polystyrene / Foamed Polyethylene
Air Filter			Resin Net (Washable)	Resin Net (Washable)	Resin Net (Washable)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	VP13 (External Dia. 18 Internal Dia. 13)	VP13 (External Dia. 18 Internal Dia. 13)	VP13 (External Dia. 18 Internal Dia. 13)
Machine Weight		kg	14	14	14
★5 Sound Level (H/L)		dBA	39/34	42/36	46/39
Safety Devices			Fuse	Fuse	Fuse
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable outdoor unit			R22:K or M Series R407C:K or L Series	R22:K or M Series R407C:K or L Series	R22:K or M Series R407C:K or L Series
Standard Accessories			Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.	Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.	Operation Manual, Installation Manual, Installation Panel, Paper Pattern for Installation, Insulation Tape, Clamps, screws.
Drawing No.			3D034904A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp; 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp; 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Floor Standing Type

Model			FXL20LVE	FXL25LVE	FXL32LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150
		Btu/h	7,900	9,900	12,500
		kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6
★3 Heating Capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H×W×D)		mm	600×1,000×222	600×1,000×222	600×1,140×222
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.5	3×14×1.5	3×14×1.5
	Face Area	m²	0.159	0.159	0.200
Fan	Model		D14B20	D14B20	2D14B13
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	15×1	15×1	25×1
	Air Flow Rate (H/L)	m³/min	7/6	7/6	8/6
		cfm	247/212	247/212	282/212
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam
Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	mm	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)
Machine Weight		kg	25	25	30
★5 Sound Level (H/L)		dBA	35/32	35/32	35/32
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series
Standard Accessories			Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.
Drawing No.			3D034576A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m³/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Floor Standing Type

Model			FXL40LVE	FXL50LVE	FXL63LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300
		Btu/h	15,900	19,900	25,000
		kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1
★3 Heating Capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,000	21,500	27,300
		kW	5.0	6.3	8.0
Casing Color			Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)	Ivory White (5Y7.5/1)
Dimensions: (H×W×D)		mm	600×1,140×222	600×1,420×222	600×1,420×222
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.5	3×14×1.5	3×14×1.5
	Face Area	m^2	0.200	0.282	0.282
Fan	Model		2D14B13	2D14B20	2D14B20
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	25×1	35×1	35×1
	Air Flow Rate (H/L)	m^3/min	11/8.5	14/11	16/12
		cfm	388/300	494/388	565/424
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam
Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)
Machine Weight		kg	30	36	36
★5 Sound Level (H/L)		dBA	38/33	39/34	40/35
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series
Standard Accessories			Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.
Drawing No.			3D034576A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Concealed Floor Standing Type

Model			FXN20LVE	FXN25LVE	FXN32LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	2,000	2,500	3,150
		Btu/h	7,900	9,900	12,500
		kW	2.3	2.9	3.7
★2 Cooling Capacity (19.0°CWB)		kW	2.2	2.8	3.6
★3 Heating Capacity		kcal/h	2,200	2,800	3,400
		Btu/h	8,500	10,900	13,600
		kW	2.5	3.2	4.0
Casing Color			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	610×930×220	610×930×220	610×1,070×220
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.5	3×14×1.5	3×14×1.5
	Face Area	m^2	0.159	0.159	0.200
Fan	Model		D14B20	D14B20	2D14B13
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	15×1	15×1	25×1
	Air Flow Rate (H/L)	m^3/min	7/6	7/6	8/6
		cfm	247/212	247/212	282/212
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam	Glass Fiber/ Urethane Foam
Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)	ϕ6.4 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)	ϕ12.7 (Flare Connection)
	Drain Pipe	mm	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)
Machine Weight		kg	19	19	23
★5 Sound Level (H/L)		dBA	35/32	35/32	35/32
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series
Standard Accessories			Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.
Drawing No.			3D034577A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Concealed Floor Standing Type

Model			FXN40LVE	FXN50LVE	FXN63LVE
★1 Cooling Capacity (19.5°CWB)		kcal/h	4,000	5,000	6,300
		Btu/h	15,900	19,900	25,000
		kW	4.7	5.8	7.3
★2 Cooling Capacity (19.0°CWB)		kW	4.5	5.6	7.1
★3 Heating Capacity		kcal/h	4,300	5,400	6,900
		Btu/h	17,000	21,500	27,300
		kW	5.0	6.3	8.0
Casing Color			Galvanized Steel Plate	Galvanized Steel Plate	Galvanized Steel Plate
Dimensions: (H×W×D)		mm	610×1,070×220	610×1,350×220	610×1,350×220
Coil (Cross Fin Coil)	Rows×Stages×Fin Pitch	mm	3×14×1.5	3×14×1.5	3×14×1.5
	Face Area	m^2	0.200	0.282	0.282
Fan	Model		2D14B13	2D14B20	2D14B20
	Type		Sirocco Fan	Sirocco Fan	Sirocco Fan
	Motor Output × Number of Units	W	25×1	35×1	35×1
	Air Flow Rate (H/L)	m^3/min	11/8.5	14/11	16/12
		cfm	388/300	494/388	565/424
	Drive		Direct Drive	Direct Drive	Direct Drive
Temperature Control			Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating	Microprocessor Thermostat for Cooling and Heating
Sound Absorbing Thermal Insulation Material			Glass Fiber / Urethane Foam	Glass Fiber / Urethane Foam	Glass Fiber / Urethane Foam
Air Filter			Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)	Resin Net (with Mold Resistant)
Piping Connections	Liquid Pipes	mm	ϕ6.4 (Flare Connection)	ϕ9.5 (Flare Connection)	ϕ9.5 (Flare Connection)
	Gas Pipes	mm	ϕ12.7 (Flare Connection)	ϕ15.9 (Flare Connection)	ϕ15.9 (Flare Connection)
	Drain Pipe	mm	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)	ϕ21 O.D (Vinyl Chloride)
Machine Weight		kg	23	27	27
★5 Sound Level (H/L)		dBA	38/33	39/34	40/35
Safety Devices			Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor	Fuse, Thermal Protector for Fan Motor
Refrigerant Control			Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Connectable Outdoor Unit			R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series	R22 : K or M Series R407C : K or L Series
Standard Accessories			Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.	Operation Manual, Installation Manual, Insulation for Fitting, Drain Hose, Clamps, Screws, Washers, Level Adjustment Screw.
Drawing No.			3D034577A		

Notes:

★1 Indoor temp. : 27°CDB, 19.5°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★2 Indoor temp. : 27°CDB, 19.0°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5m, level difference: 0m.

★3 Indoor temp. : 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length; 7.5m, level difference; 0m. (Heat pump only)

4 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

★5 Operation sound is measured in an anechoic chamber.

Conversion Formulae
kcal/h=kW×860 Btu/h=kW×3414 cfm=m^3/min×35.3

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Part 3
Refrigerant Circuit

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Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

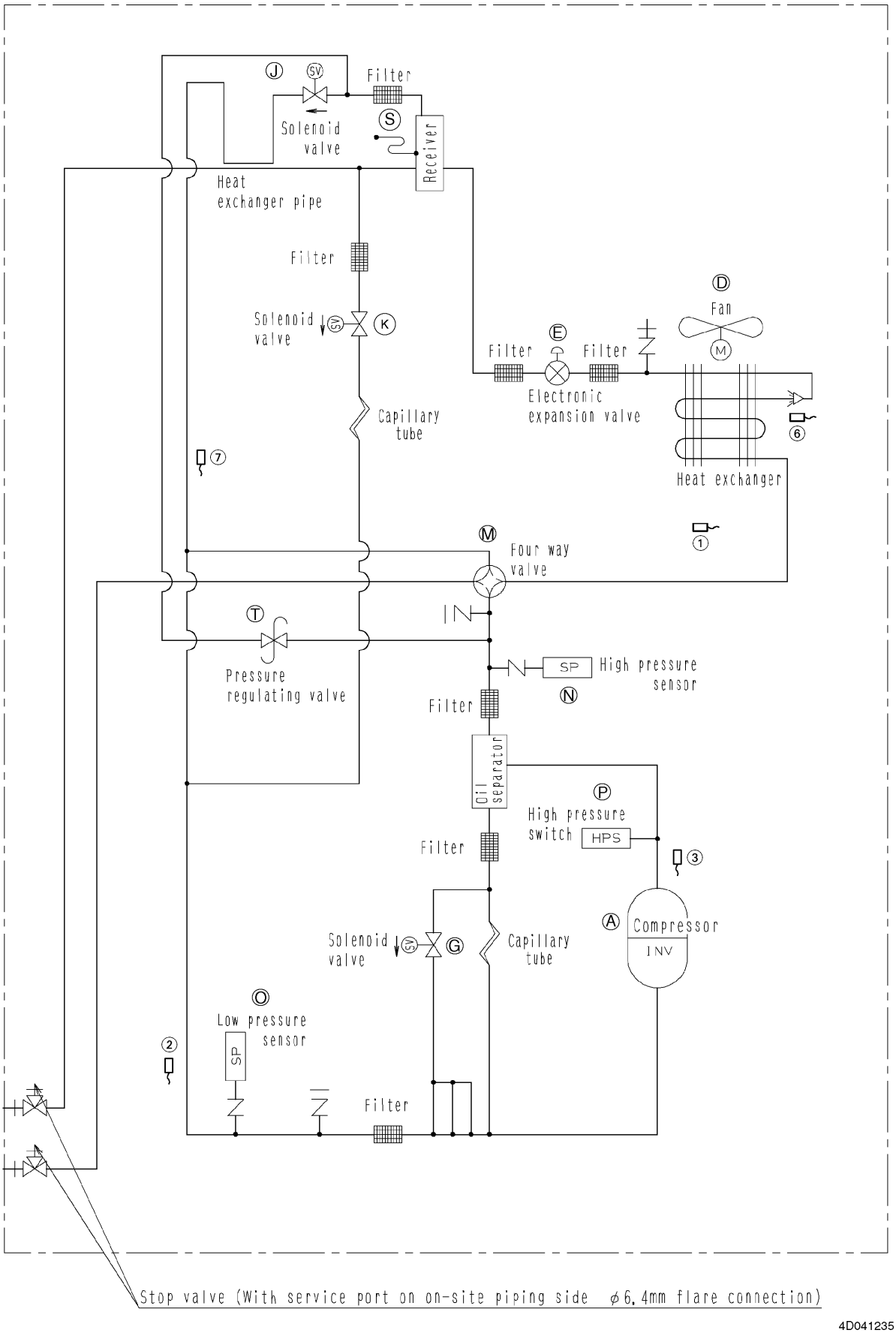
1. Refrigerant Circuit

1.1 RXY5M

No. in refrigerant system diagram	Symbol	Name	Major Function
A	M1C	Inverter compressor (INV)	Inverter compressor is operated on frequencies between 52 Hz and 210 Hz by using the inverter. The number of operating steps is as follows when Inverter compressor is operated. RXY5M : 20 steps
D	M1F	Inverter fan	Since the system is of air heat exchanging type, the fan is operated at 8-step rotation speed by using the inverter.
E	Y1E	Electronic expansion valve (Main: EV1)	While in heating operation, PI control is applied to keep the outlet superheated degree of air heat exchanger constant.
G	Y1S	Solenoid valve (Hot gas: SVP)	Used to prevent the low pressure from transient falling.
J	Y2S	Solenoid valve (Receiver gas discharging: SVG)	Used to collect refrigerant to receiver.
K	Y4S	Solenoid valve (Injection):SVT	Used to control injection in order to prevent overheating.
M	Y3S	4-way valve	Used to switch the operation mode between cooling and heating.
N	S1NPH	High pressure sensor	Used to detect high pressure.
O	S1NPL	Low pressure sensor	Used to detect low pressure.
P	S1PH	HP pressure switch (For INV compressor)	In order to prevent the increase of high pressure when a malfunction occurs, this switch is activated at high pressure of 2.7 MPA or more to stop the compressor operation.
S	—	Fusible plug	In order to prevent the increase of pressure when abnormal heating is caused by fire or others, the fusible part of the plug is molten at a temperature of 70 to 75°C to release the pressure into the atmosphere.
T	—	Pressure regulating valve 1 (Receiver to discharge pipe)	This valve opens at a pressure of 1.5 to 2.0 MPa for prevention of pressure increase, thus resulting in no damage of functional parts due to the increase of pressure in transportation or storage.
1	R1T	Thermistor (Outdoor air: Ta)	Used to detect outdoor temperature, correct discharge pipe temperature, and others.
2	R2T	Thermistor (Suction pipe: Ts)	used to detect suction pipe temperature, keep the suction superheated degree constant in heating operation, and others.
3	R31T	Thermistor (INV discharge pipe: Tdi)	used to detect discharge pipe temperature, make the temperature protection control of compressor, and others.
6	R4T	Thermistor (Heat exchanger deicer: Tb)	Used to detect liquid pipe temperature of air heat exchanger, determine defrosting operation, and others.
7	R5T	Thermistor (Receiver gas pipe: Tsh)	Used to detect receiver gas pipe temperature in order to check the receiver to fill with liquid refrigerant.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY5M



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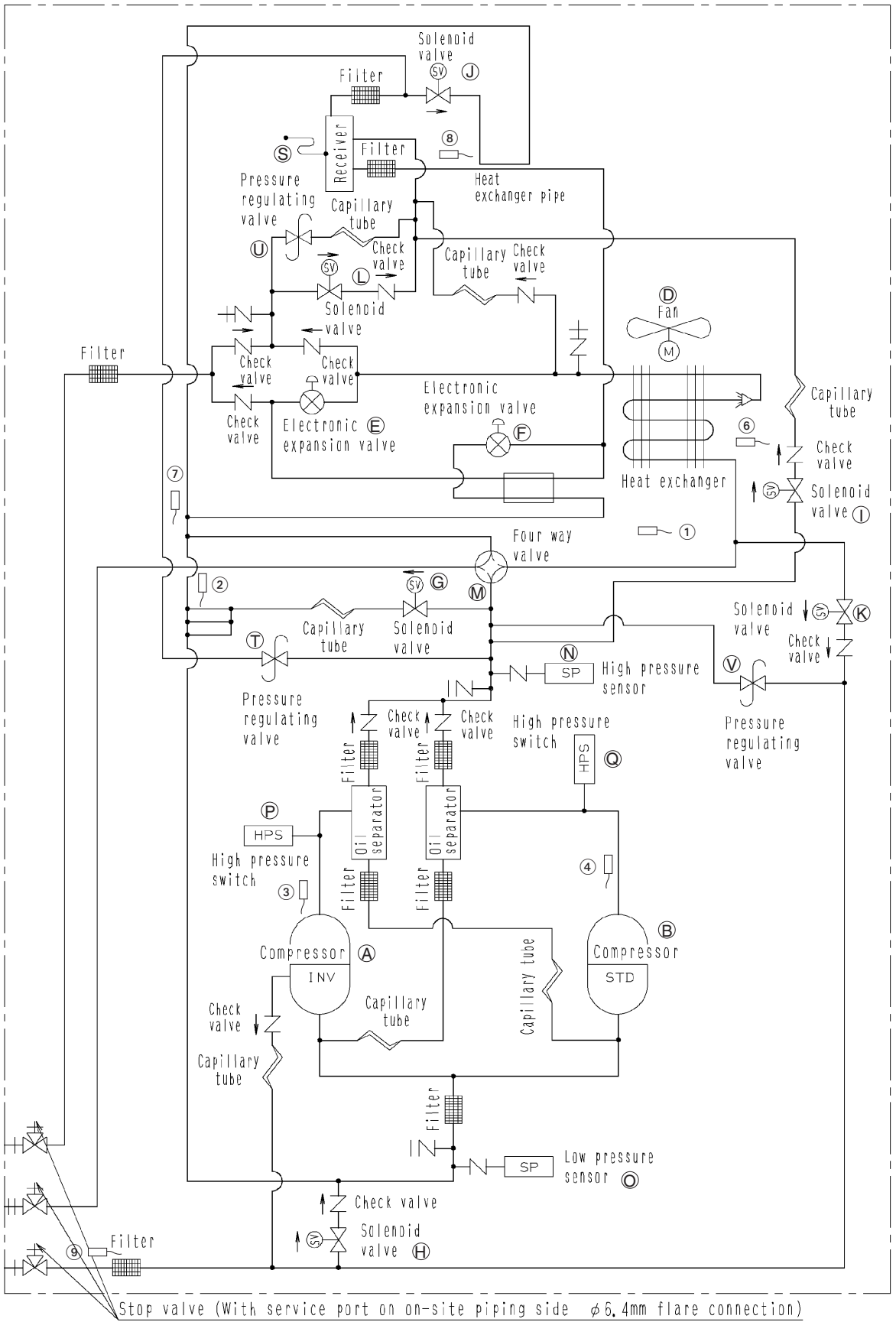
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.2 RXY8, 10, 12M

No. in refrigerant system diagram	Symbol	Name	Major Function
A	M1C	Inverter compressor (INV)	Inverter compressor is operated on frequencies between 52 Hz and 210 Hz by using the inverter, while Standard compressor is operated with commercial power supply only. The number of operating steps is as follows when Inverter compressor is operated in combination with Standard compressor. RXY8, 10, 12M: 29 steps
B	M2C	Standard compressor 1 (STD1)	
D	M1F	Inverter fan	Since the system is of air heat exchanging type, the fan is operated at 8-step rotation speed by using the inverter.
E	Y1E	Electronic expansion valve (Main: EV1)	While in heating operation, PI control is applied to keep the outlet superheated degree of air heat exchanger constant.
F	Y2E	Electronic expansion valve (Subcool: EV2)	PI control is applied to keep the outlet superheated degree of subcooling heat exchanger constant.
G	Y1S	Solenoid valve (Hot gas: SVP)	Used to prevent the low pressure from transient falling.
H	Y2S	Solenoid valve (Oil equalization: SVO)	Used for oil equalizing among outdoor units in multiple-outdoor-unit system.
I	Y3S	Solenoid valve (Receiver gas charging: SVL)	Used to maintain high pressure while in cooling operation at low outdoor temperature. And also used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multiple-outdoor-unit system.
J	Y4S	Solenoid valve (Receiver gas discharging: SVG)	Used to collect refrigerant to receiver.
K	Y5S	Solenoid valve (Non-operating unit gas discharging SVSG)	Used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multiple-outdoor-unit system.
L	Y6S	Solenoid valve Non-operating unit liquid pipe closing: SVSL)	Used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multi-outdoor unit system.
M	Y7S	4-way valve	Used to switch the operation mode between cooling and heating.
N	S1NPH	High pressure sensor	Used to detect high pressure.
O	S1NPL	Low pressure sensor	Used to detect low pressure.
P	S1PH	HP pressure switch (For INV compressor)	In order to prevent the increase of high pressure when a malfunction occurs, this switch is activated at high pressure of 2.7 MPa or more to stop the compressor operation.
Q	S2PH	HP pressure switch (For STD compressor 2)	
S	—	Fusible plug	In order to prevent the increase of pressure when abnormal heating is caused by fire or others, the fusible part of the plug is molten at a temperature of 70 to 75°C to release the pressure into the atmosphere.
T	—	Pressure regulating valve 1 (Receiver to discharge pipe)	This valve opens at a pressure of 1.5 to 2.0 MPa for prevention of pressure increase, thus resulting in no damage of functional parts due to the increase of pressure in transportation or storage.
U	—	Pressure regulating valve 2 (Liquid pipe to receiver)	
V	—	Pressure regulating valve 3 (Equalizing pipe to discharge pipe)	
1	R1T	Thermistor (Outdoor air: Ta)	Used to detect outdoor temperature, correct discharge pipe temperature, and others.
2	R2T	Thermistor (Suction pipe: Ts)	used to detect suction pipe temperature, keep the suction superheated degree constant in heating operation, and others.
3	R31T	Thermistor (INV discharge pipe: Tdi)	used to detect discharge pipe temperature, make the temperature protection control of compressor, and others.
4	R32T	Thermistor (STD1 discharge pipe: Tds1)	
6	R4T	Thermistor (Heat exchanger deicer: Tb)	Used to detect liquid pipe temperature of air heat exchanger, determine defrosting operation, and others.
7	R5T	Thermistor (Subcooling heat exchanger gas pipe: Tsh)	Used to detect gas pipe temperature on the evaporation side of subcooling heat exchanger, keep the superheated degree at the outlet of subcooling heat exchanger constant, and others.
8	R6T	Thermistor (Receiver outlet liquid pipe: Tl)	Used to detect receiver outlet liquid pipe temperature, prevent the drift between outdoor units while in heating operation in the case of multiple-outdoor-unit system, and others.
9	R7T	Thermistor (Oil equalizing pipe: To)	Used to detect equalizing pipe temperature, opening/closing of the equalizing pipe stop valve, and others.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY8, 10, 12M



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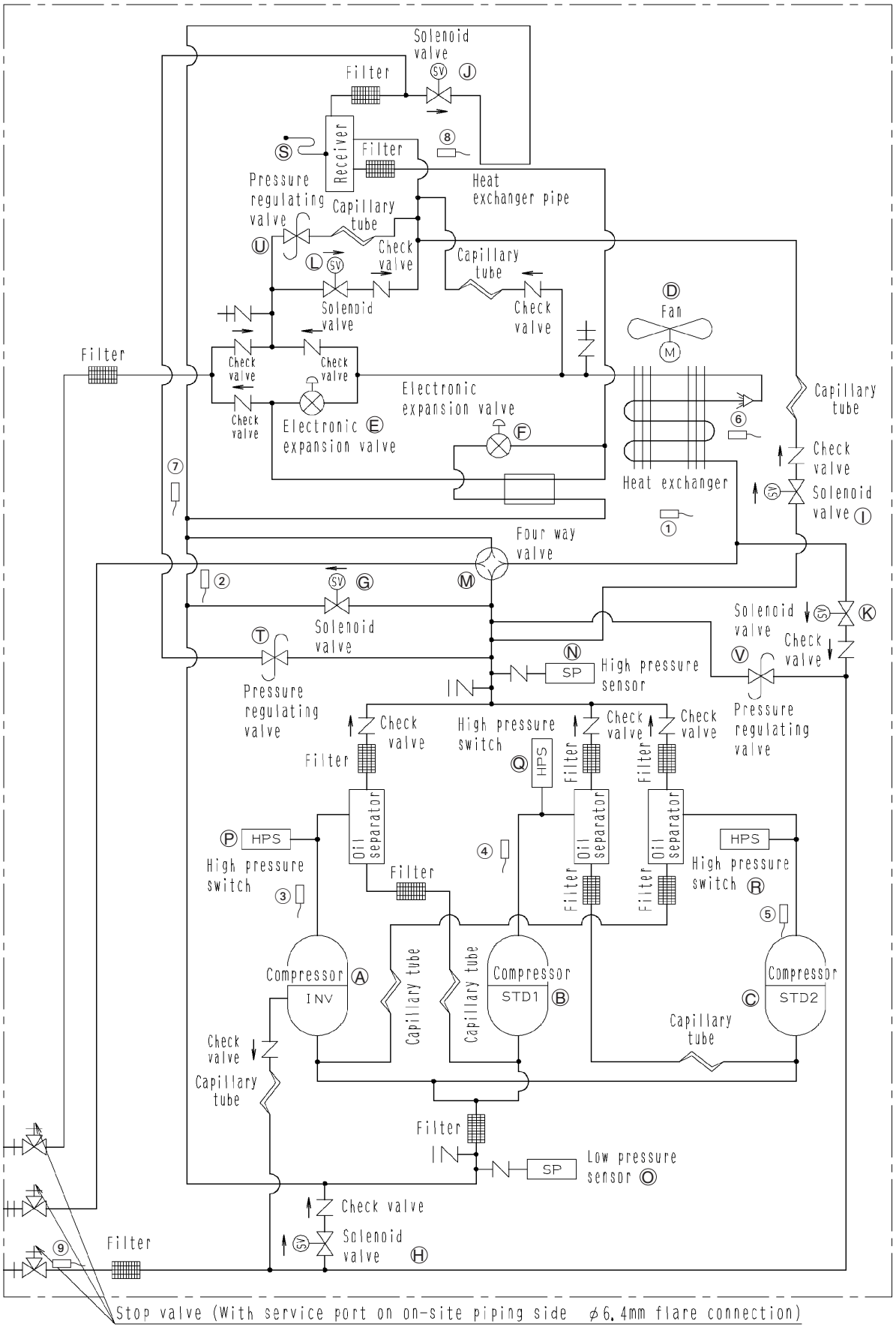
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.3 RXY14, 16M

No. in refrigerant system diagram	Symbol	Name	Major Function
A	M1C	Inverter compressor (INV)	Inverter compressor is operated on frequencies between 52 Hz and 210 Hz by using the inverter, while Standard compressor is operated with commercial power supply only. The number of operating steps is as follows when Inverter compressor is operated in combination with Standard compressor. RXY14, 16M: 35 steps
B	M2C	Standard compressor 1 (STD1)	
C	M3C	Standard compressor 1 (STD2)	
D	M1F	Inverter fan	Since the system is of air heat exchanging type, the fan is operated at 8-step rotation speed by using the inverter.
E	Y1E	Electronic expansion valve (Main: EV1)	While in heating operation, PI control is applied to keep the outlet superheated degree of air heat exchanger constant.
F	Y2E	Electronic expansion valve (Subcool: EV2)	PI control is applied to keep the outlet superheated degree of subcooling heat exchanger constant.
G	Y1S	Solenoid valve (Hot gas: SVP)	Used to prevent the low pressure from transient falling.
H	Y2S	Solenoid valve (Oil equalization: SVO)	Used for oil equalizing among outdoor units in multiple-outdoor-unit system.
I	Y3S	Solenoid valve (Receiver gas charging: SVL)	Used to maintain high pressure while in cooling operation at low outdoor temperature. And also used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multiple-outdoor-unit system.
J	Y4S	Solenoid valve (Receiver gas discharging: SVG)	Used to collect refrigerant to receiver.
K	Y5S	Solenoid valve (Non-operating unit gas discharging SVSG)	Used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multiple-outdoor-unit system.
L	Y6S	Solenoid valve Non-operating unit liquid pipe closing: SVSL)	Used to prevent the accumulation of refrigerant in non-operating outdoor units in the case of multi-outdoor unit system.
M	Y7S	4-way valve	Used to switch the operation mode between cooling and heating.
N	S1NPH	High pressure sensor	Used to detect high pressure.
O	S1NPL	Low pressure sensor	Used to detect low pressure.
P	S1PH	HP pressure switch (For INV compressor)	In order to prevent the increase of high pressure when a malfunction occurs, this switch is activated at high pressure of 2.7 MPa or more to stop the compressor operation.
Q	S2PH	HP pressure switch (For STD compressor 2)	
R	S3PH	HP pressure switch (For STD compressor 1)	
S	—	Fusible plug	In order to prevent the increase of pressure when abnormal heating is caused by fire or others, the fusible part of the plug is molten at a temperature of 70 to 75°C to release the pressure into the atmosphere.
T	—	Pressure regulating valve 1 (Receiver to discharge pipe)	This valve opens at a pressure of 1.5 to 2.0 MPa for prevention of pressure increase, thus resulting in no damage of functional parts due to the increase of pressure in transportation or storage.
U	—	Pressure regulating valve 2 (Liquid pipe to receiver)	
V	—	Pressure regulating valve 3 (Equalizing pipe to discharge pipe)	
1	R1T	Thermistor (Outdoor air: Ta)	Used to detect outdoor temperature, correct discharge pipe temperature, and others.
2	R2T	Thermistor (Suction pipe: Ts)	used to detect suction pipe temperature, keep the suction superheated degree constant in heating operation, and others.
3	R31T	Thermistor (INV discharge pipe: Tdi)	used to detect discharge pipe temperature, make the temperature protection control of compressor, and others.
4	R32T	Thermistor (STD1 discharge pipe: Tds1)	
5	R33T	Thermistor (STD2 discharge pipe: Tds2)	
6	R4T	Thermistor (Heat exchanger deicer: Tb)	Used to detect liquid pipe temperature of air heat exchanger, determine defrosting operation, and others.
7	R5T	Thermistor (Subcooling heat exchanger gas pipe: Tsh)	Used to detect gas pipe temperature on the evaporation side of subcooling heat exchanger, keep the superheated degree at the outlet of subcooling heat exchanger constant, and others.
8	R6T	Thermistor (Receiver outlet liquid pipe: Tl)	Used to detect receiver outlet liquid pipe temperature, prevent the drift between outdoor units while in heating operation in the case of multiple-outdoor-unit system, and others.
9	R7T	Thermistor (Oil equalizing pipe: To)	Used to detect equalizing pipe temperature, opening/closing of the equalizing pipe stop valve, and others.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY14, 16M



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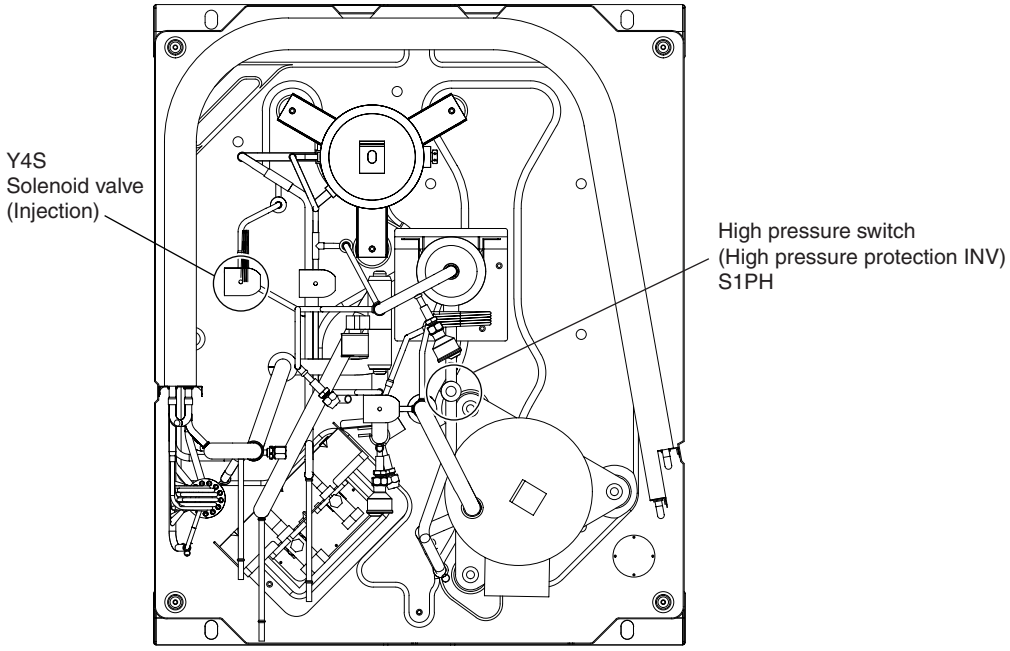
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

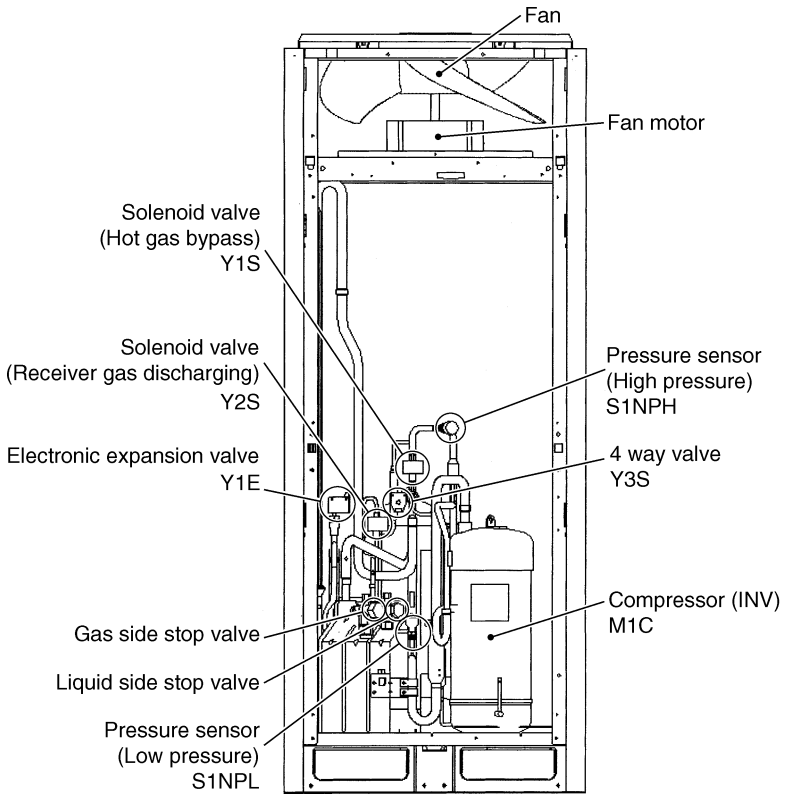
2. Functional Parts Layout

2.1 RXY5M

Plan



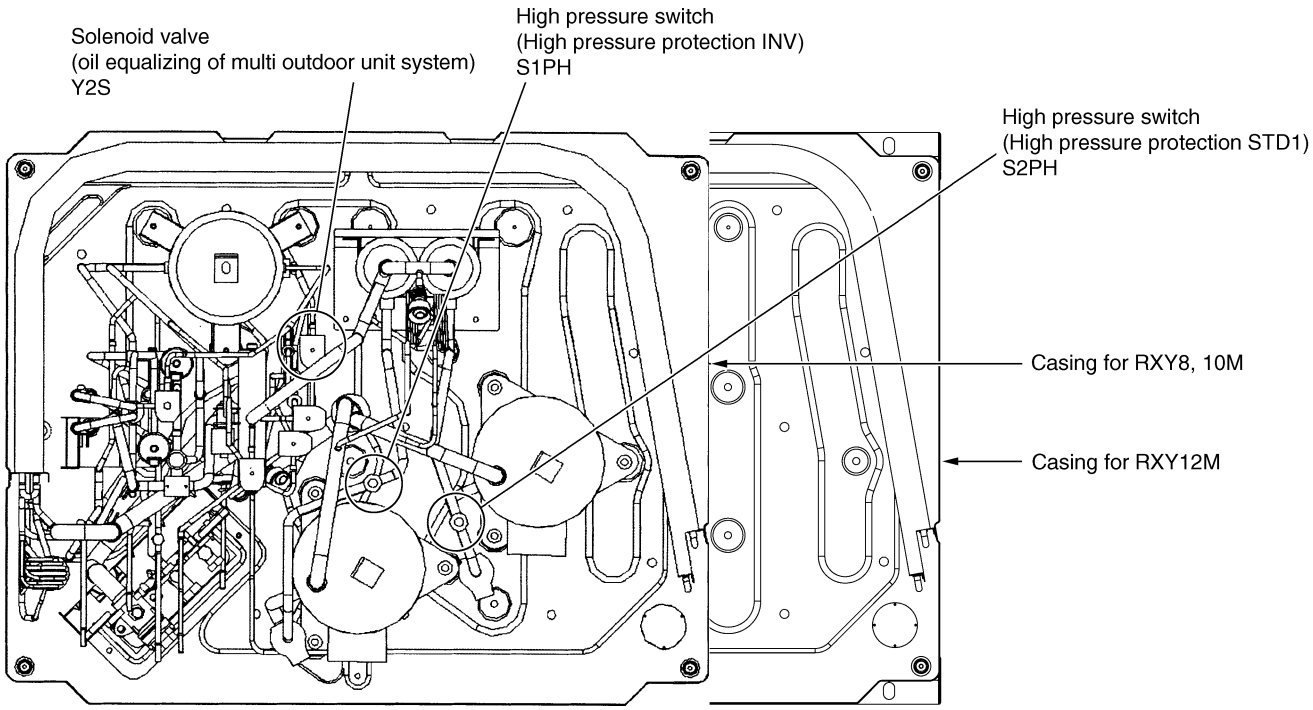
Front View



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.2 RXY8, 10, 12M

Plan



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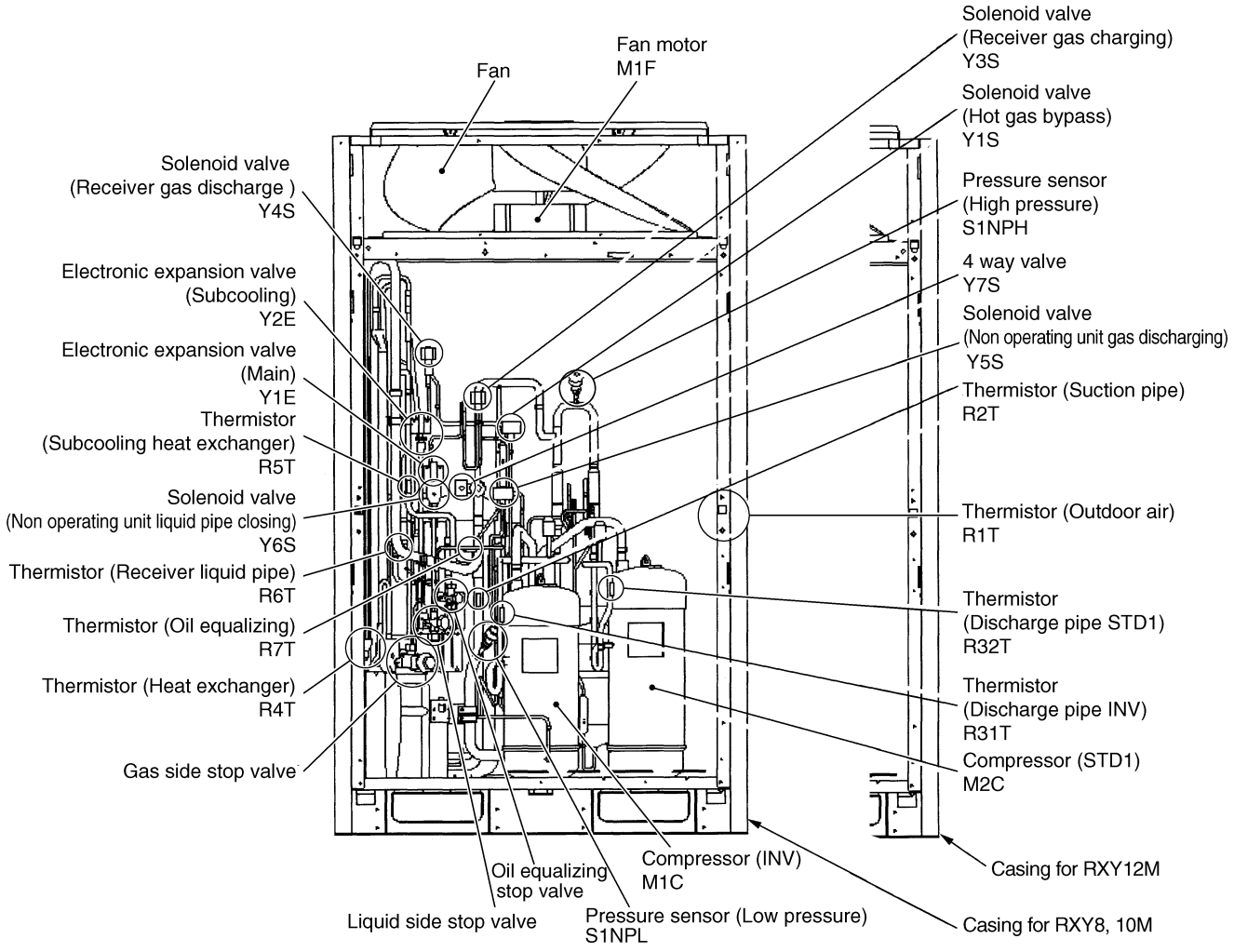
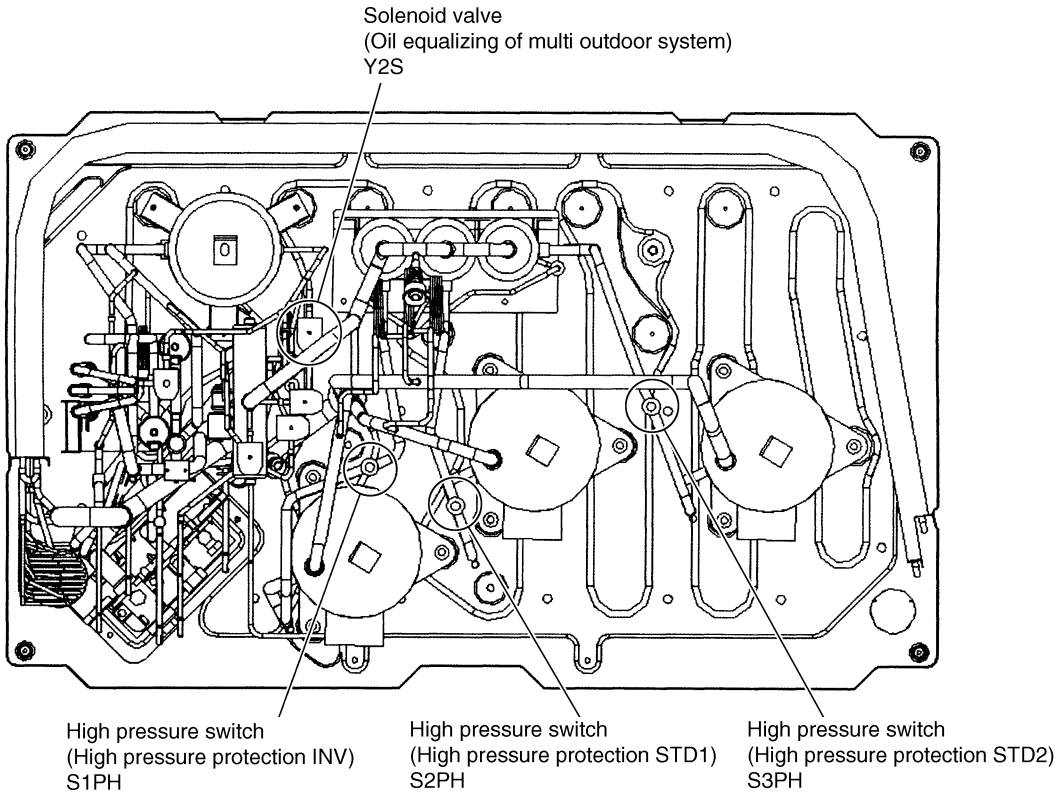


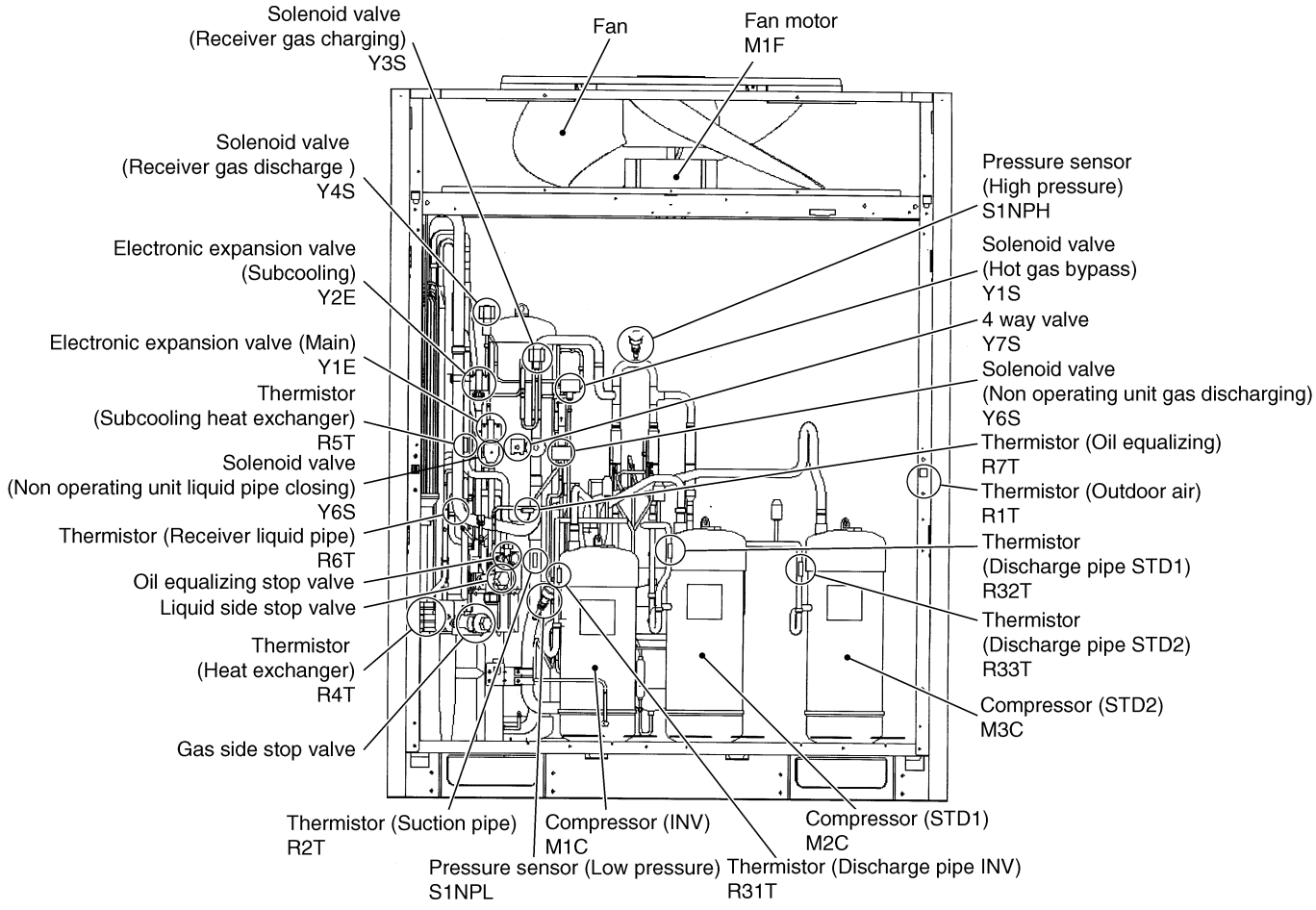
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.3 RXY14, 16M

Plan



Front View

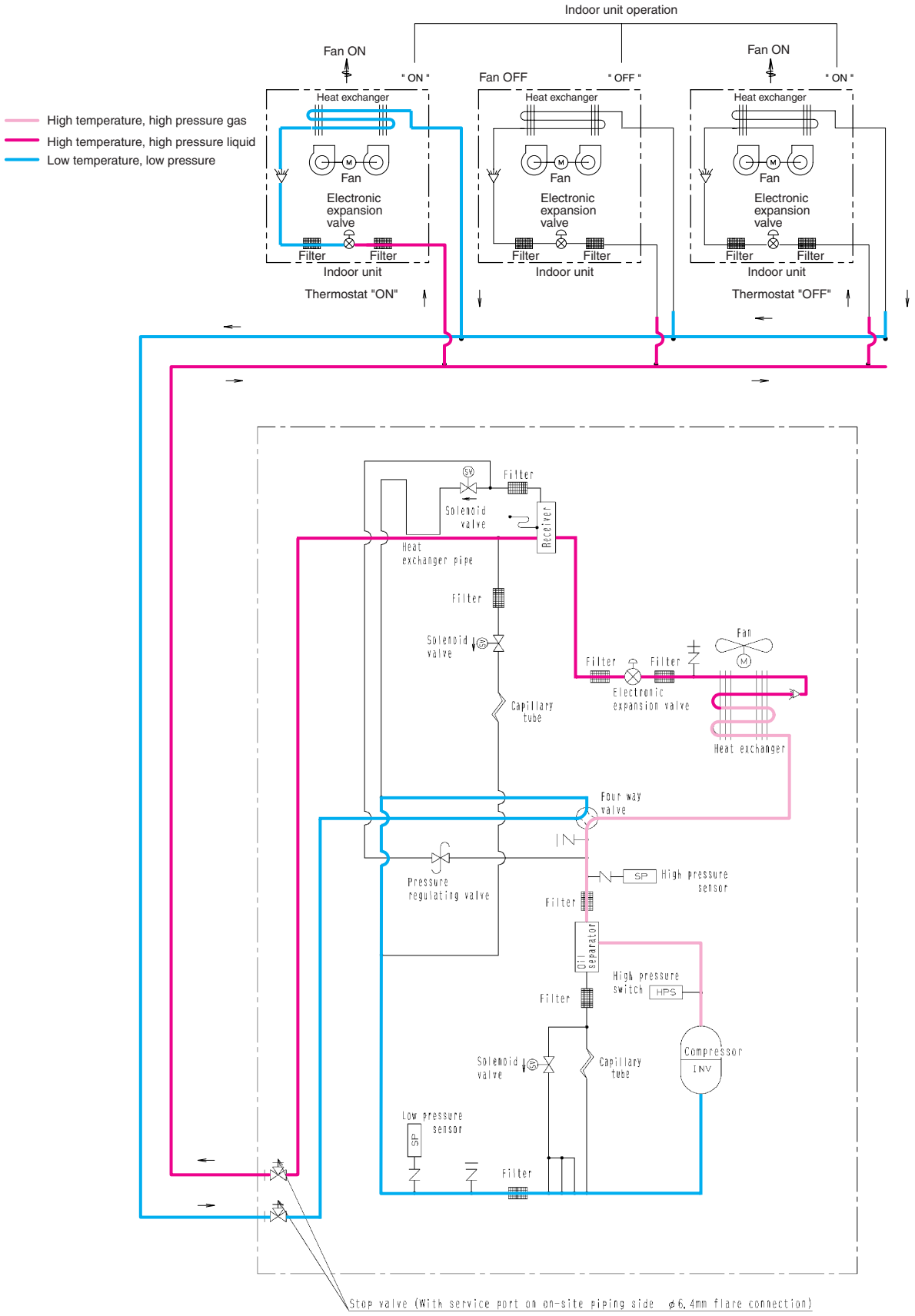


Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. Refrigerant Flow for Each Operation Mode

RXY5M

Cooling Operation



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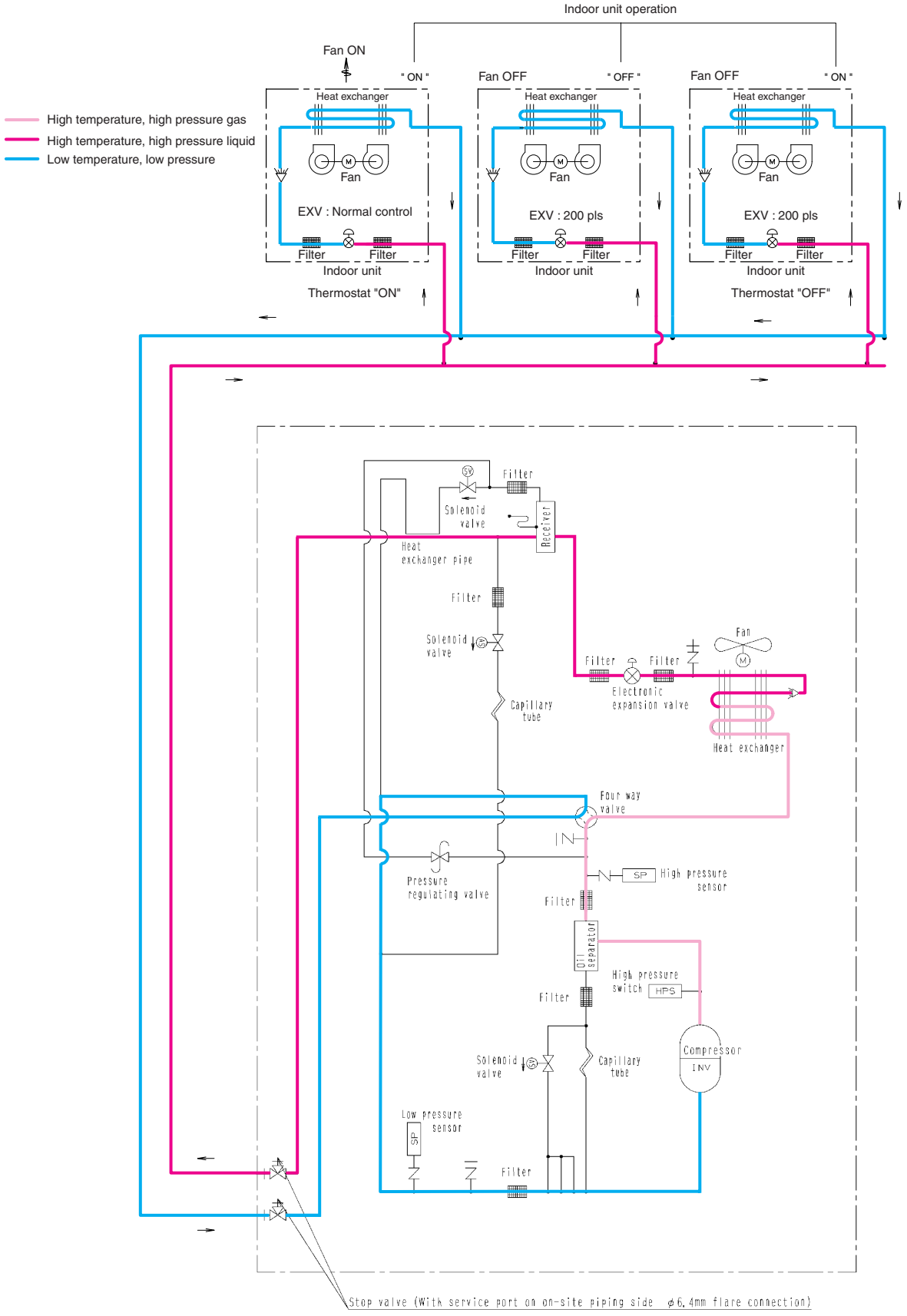
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Cooling Oil Return Operation



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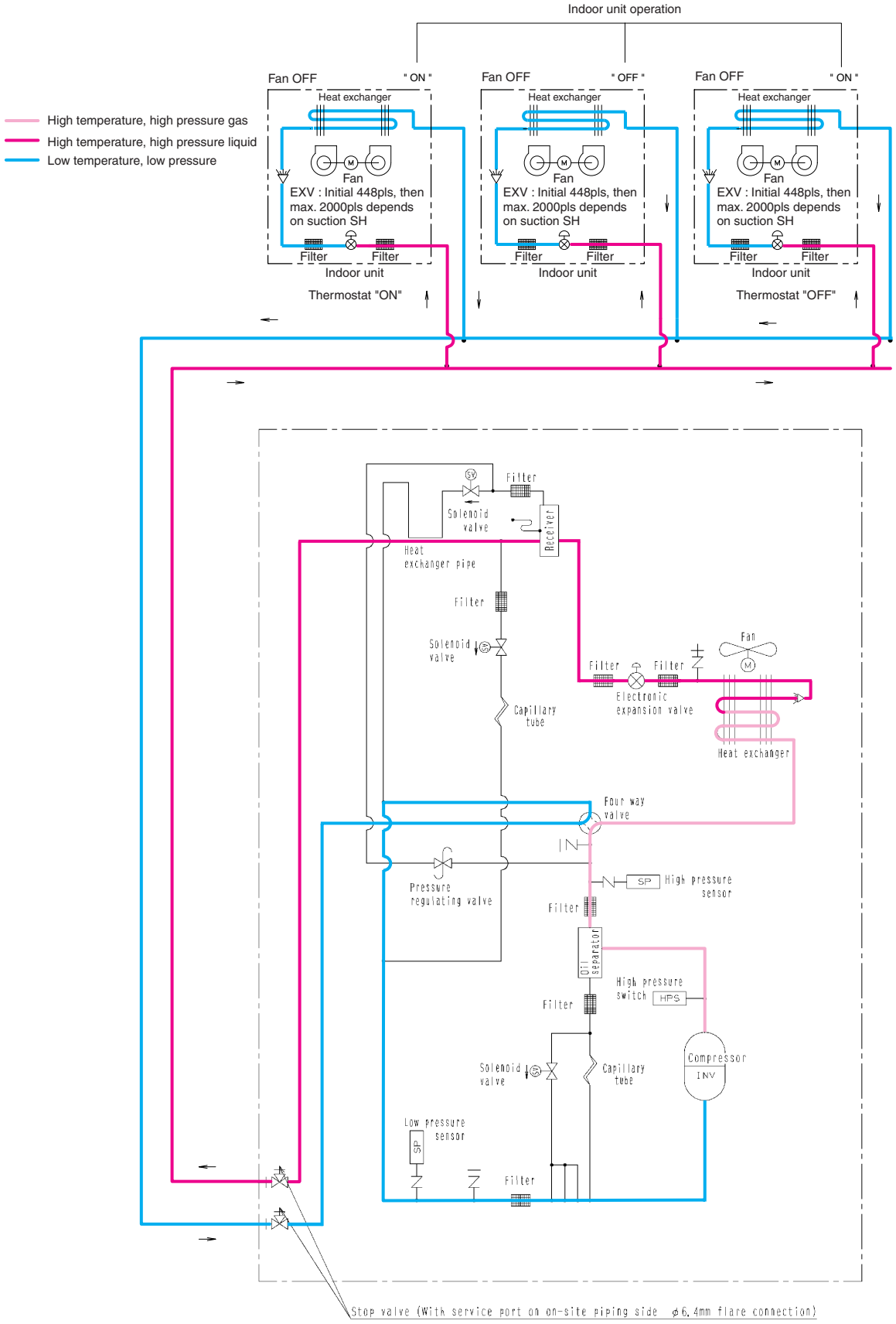
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Oil Return & Defrost Operation



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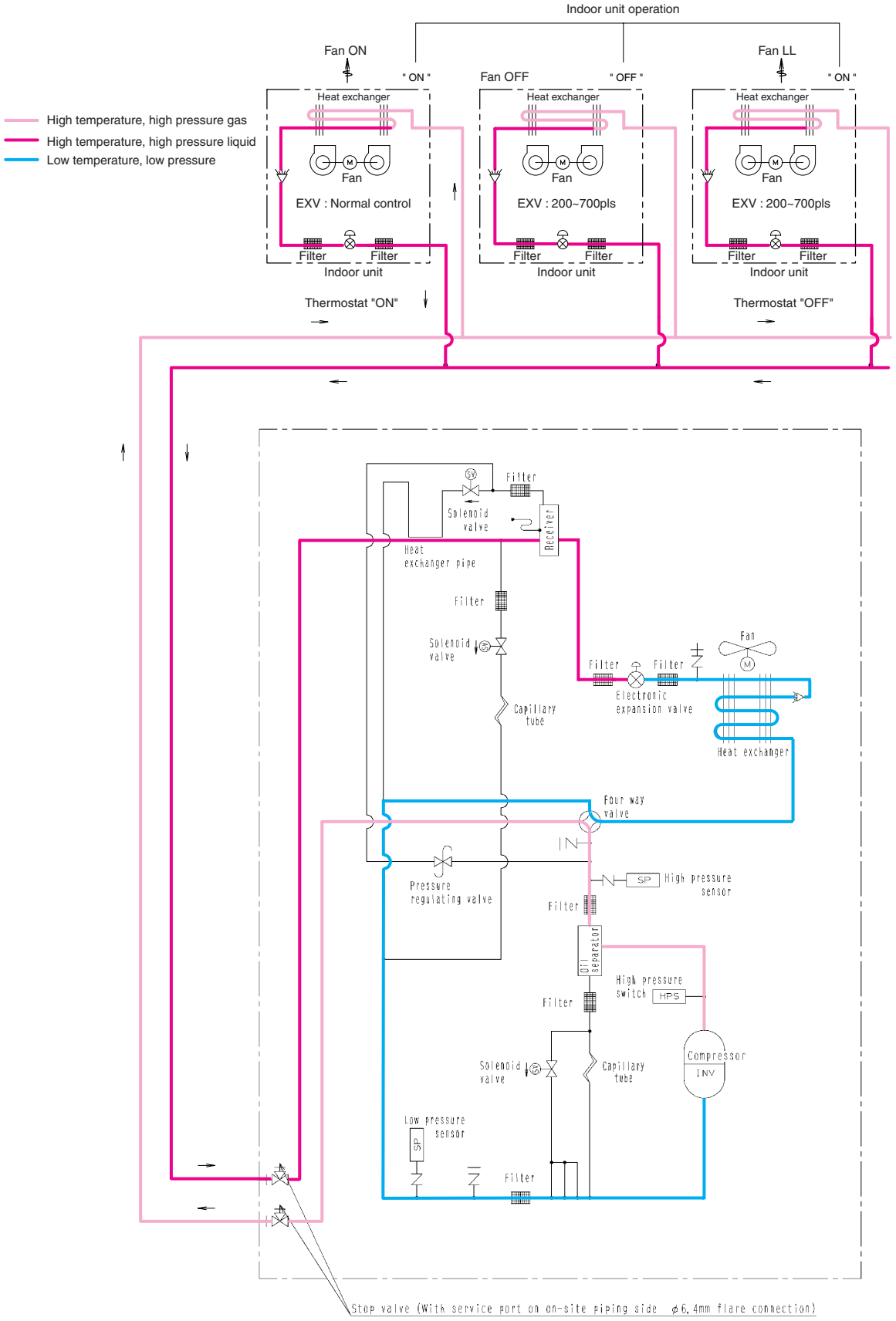
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Operation



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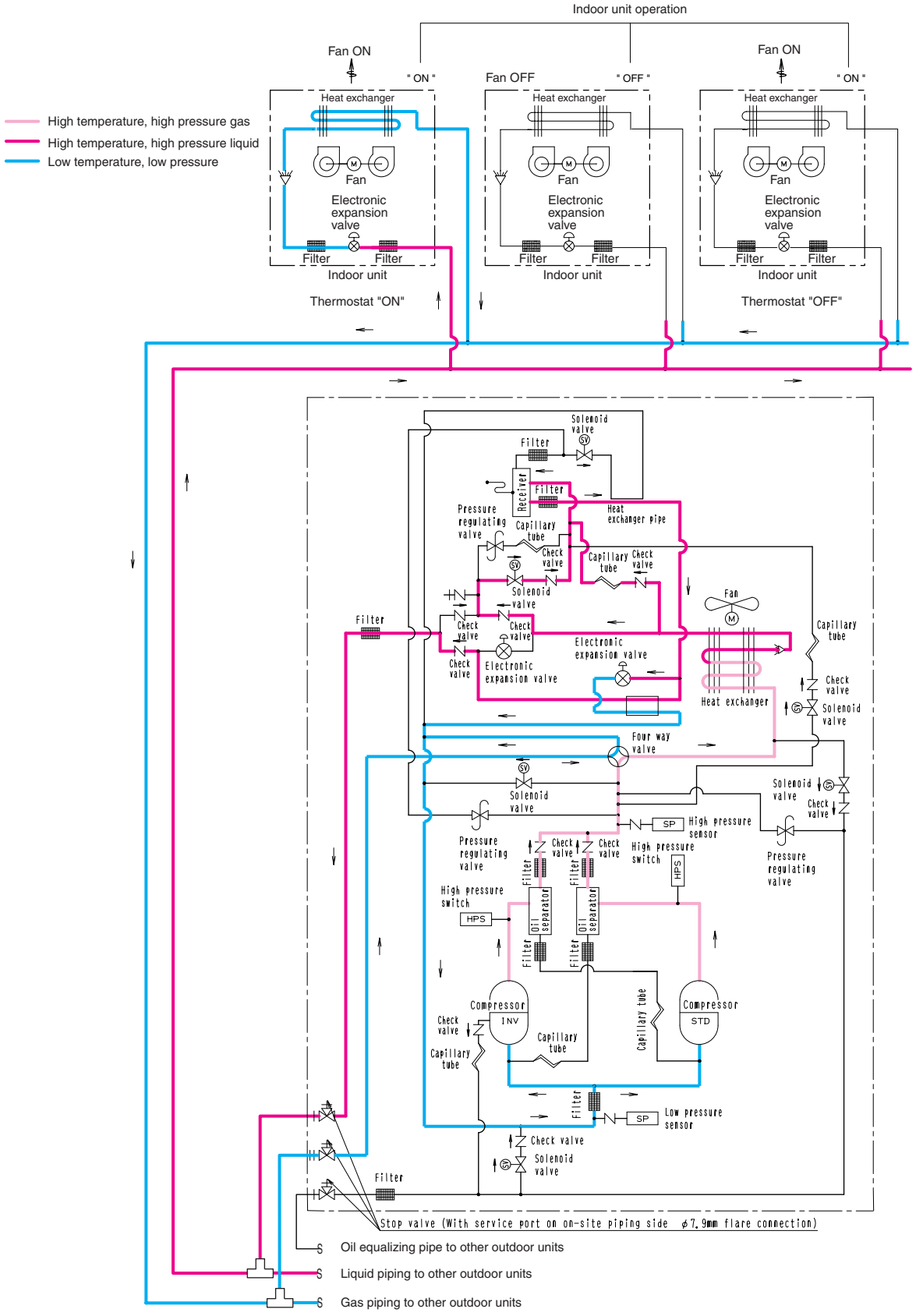
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY8, 10, 12M
Cooling Operation



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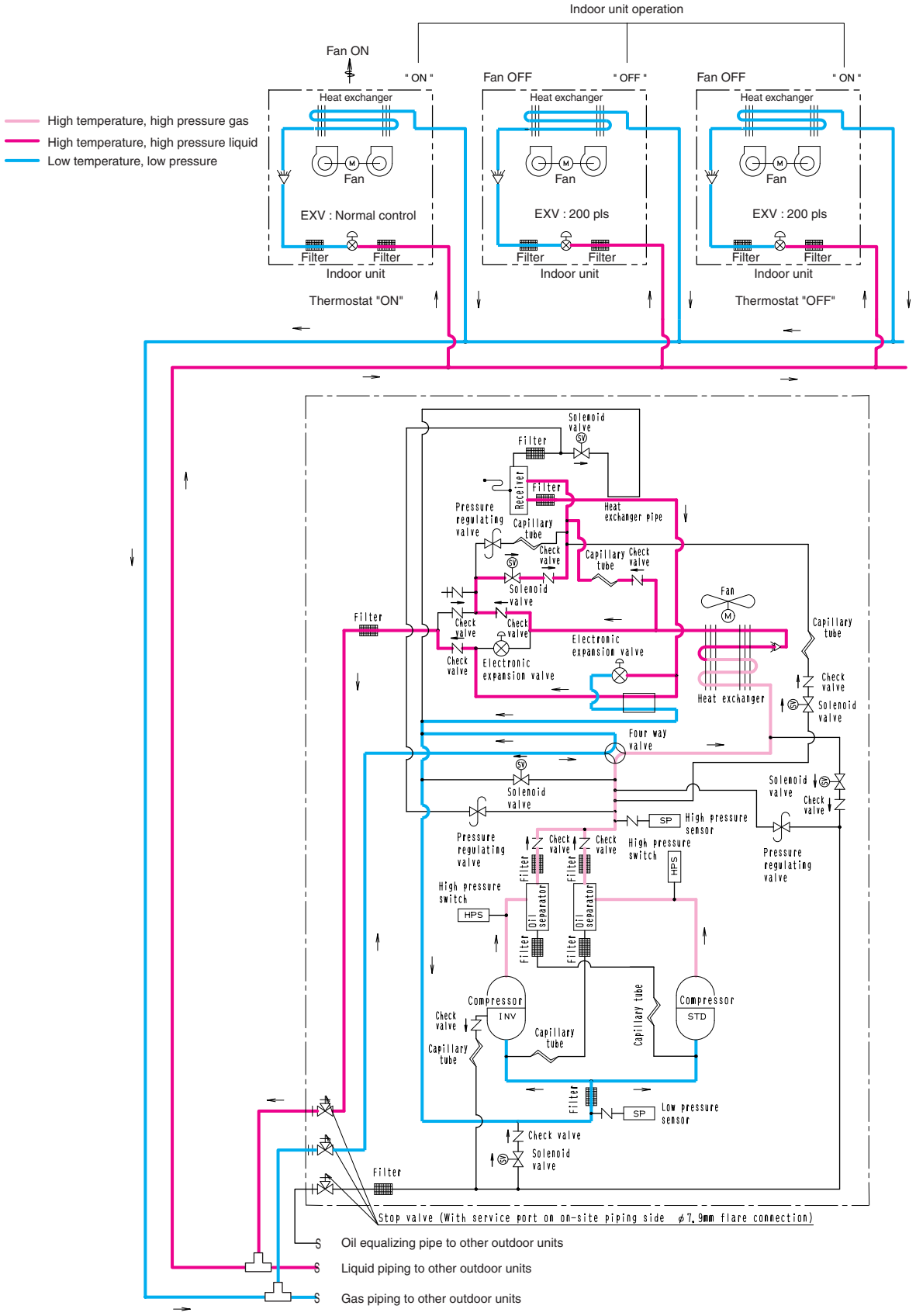
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Cooling Oil Return



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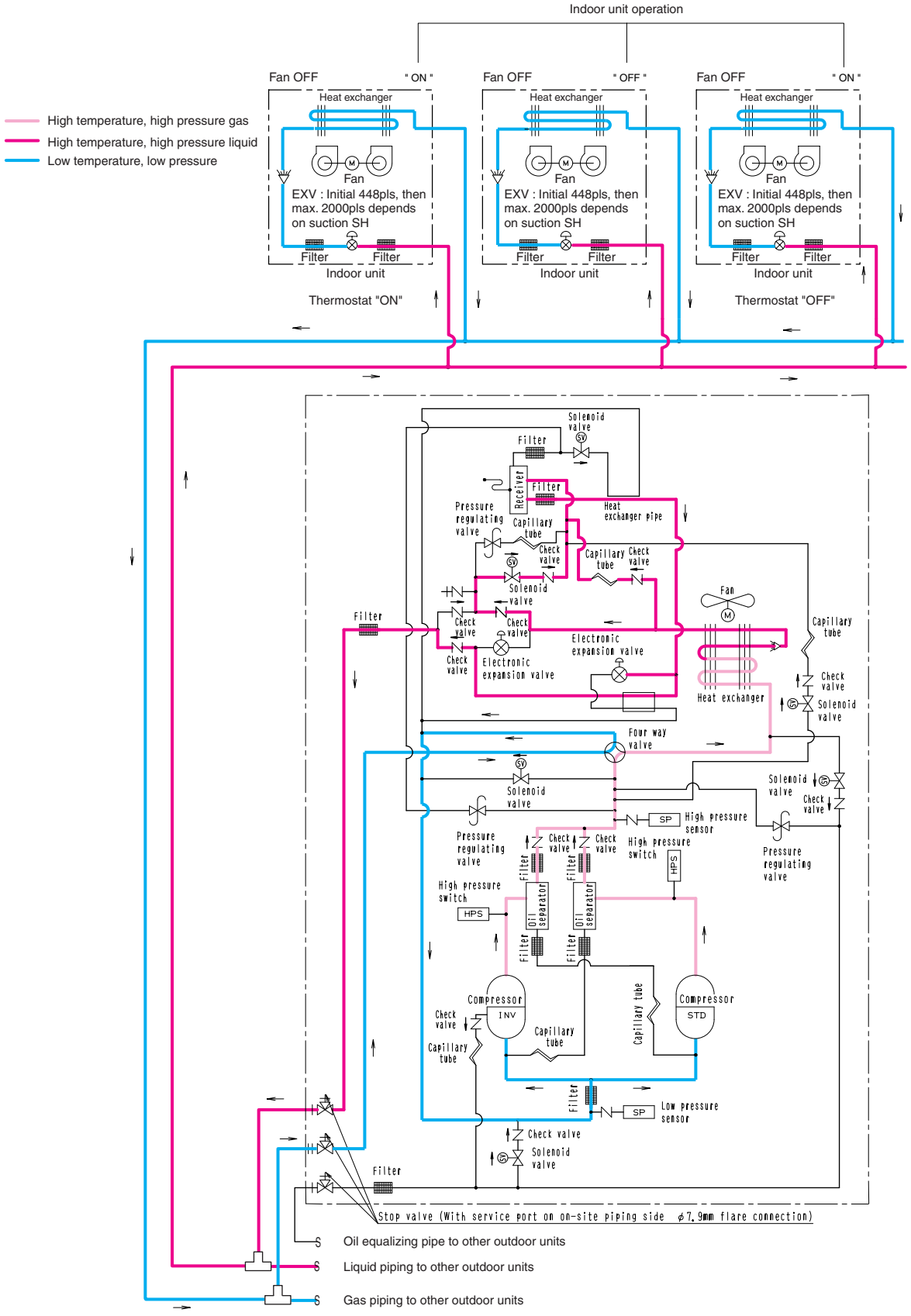
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Oil Return & Defrost



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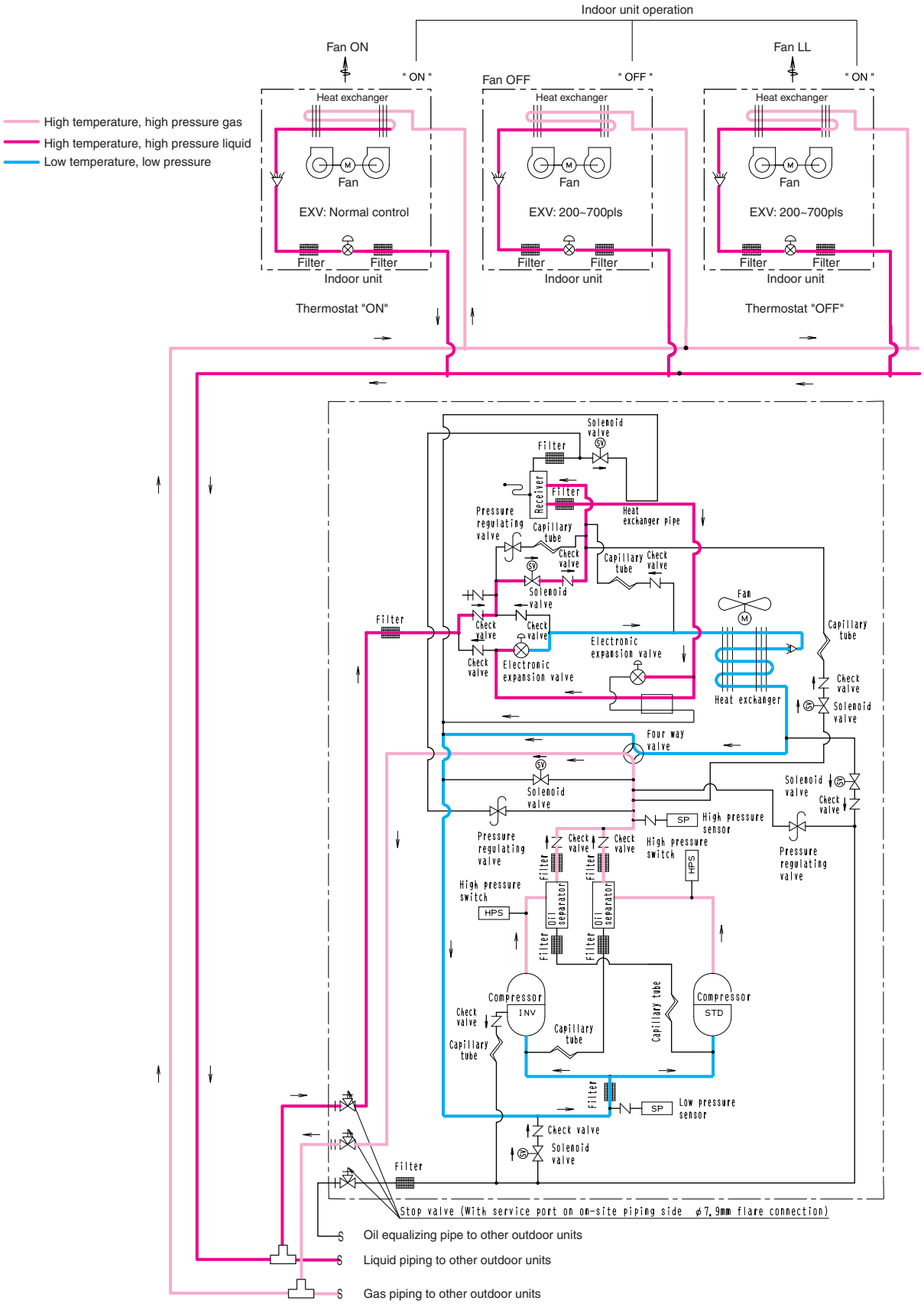
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Operation



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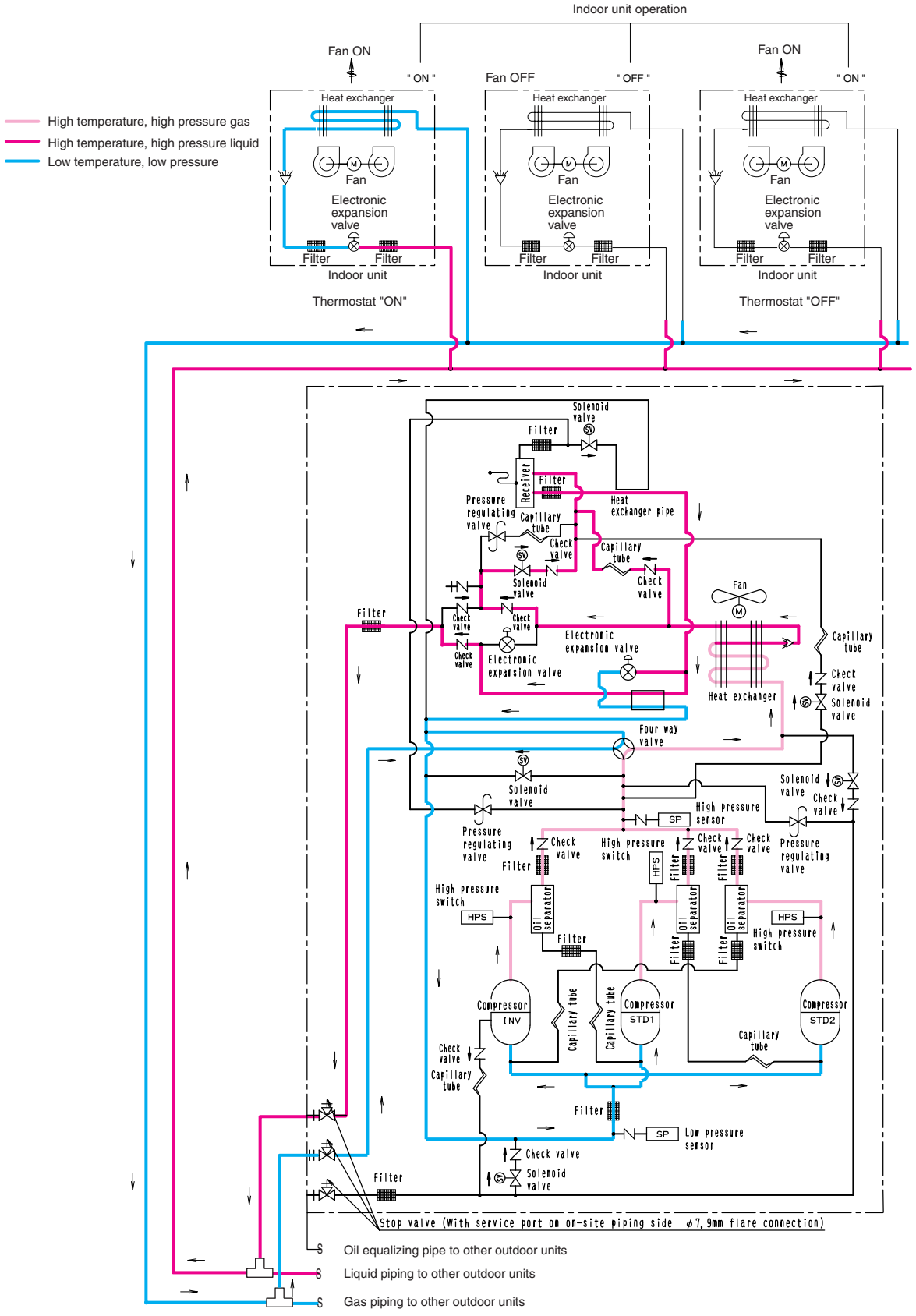
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY14, 16M
Cooling Operation



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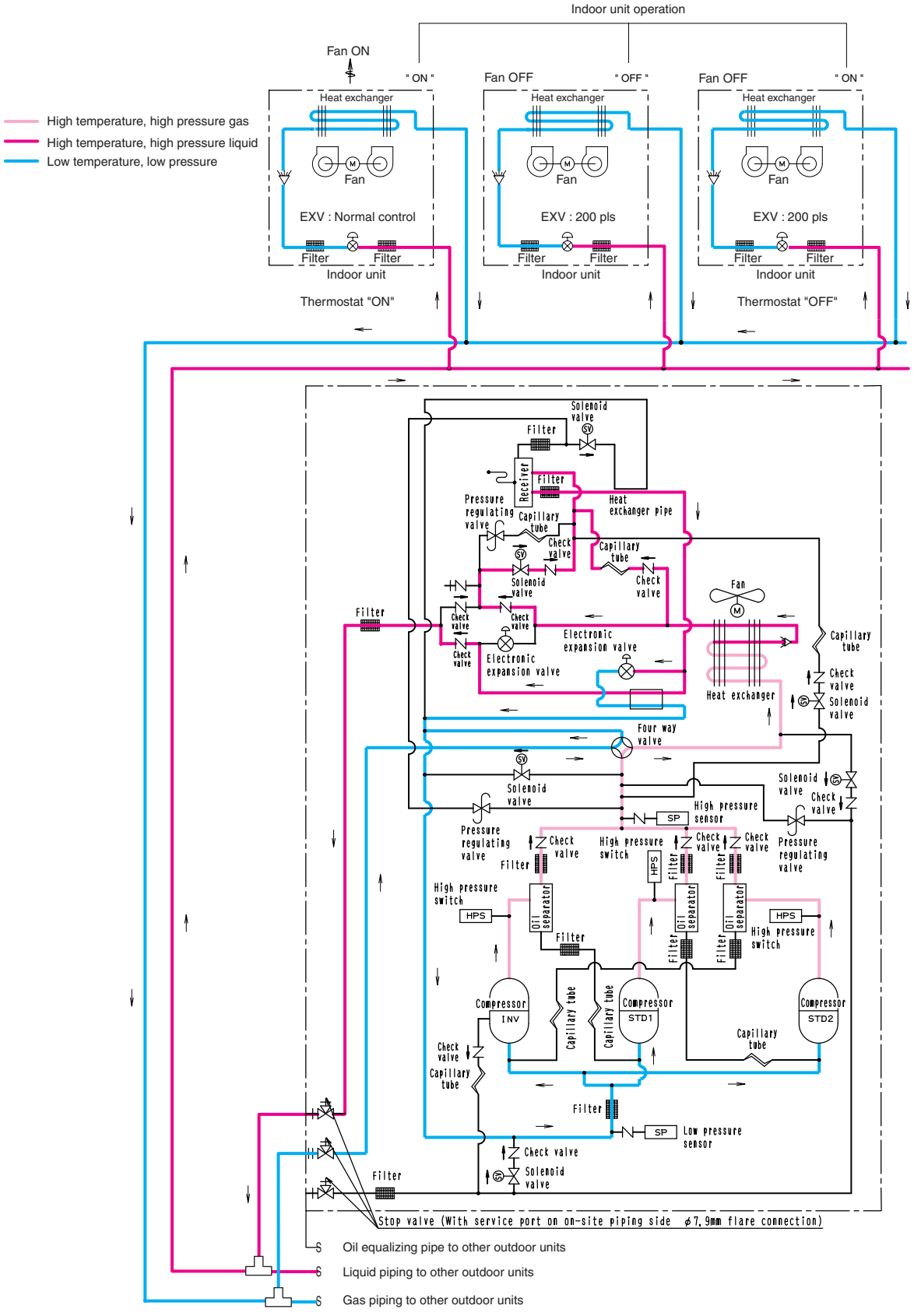
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Cooling Oil Return Operation



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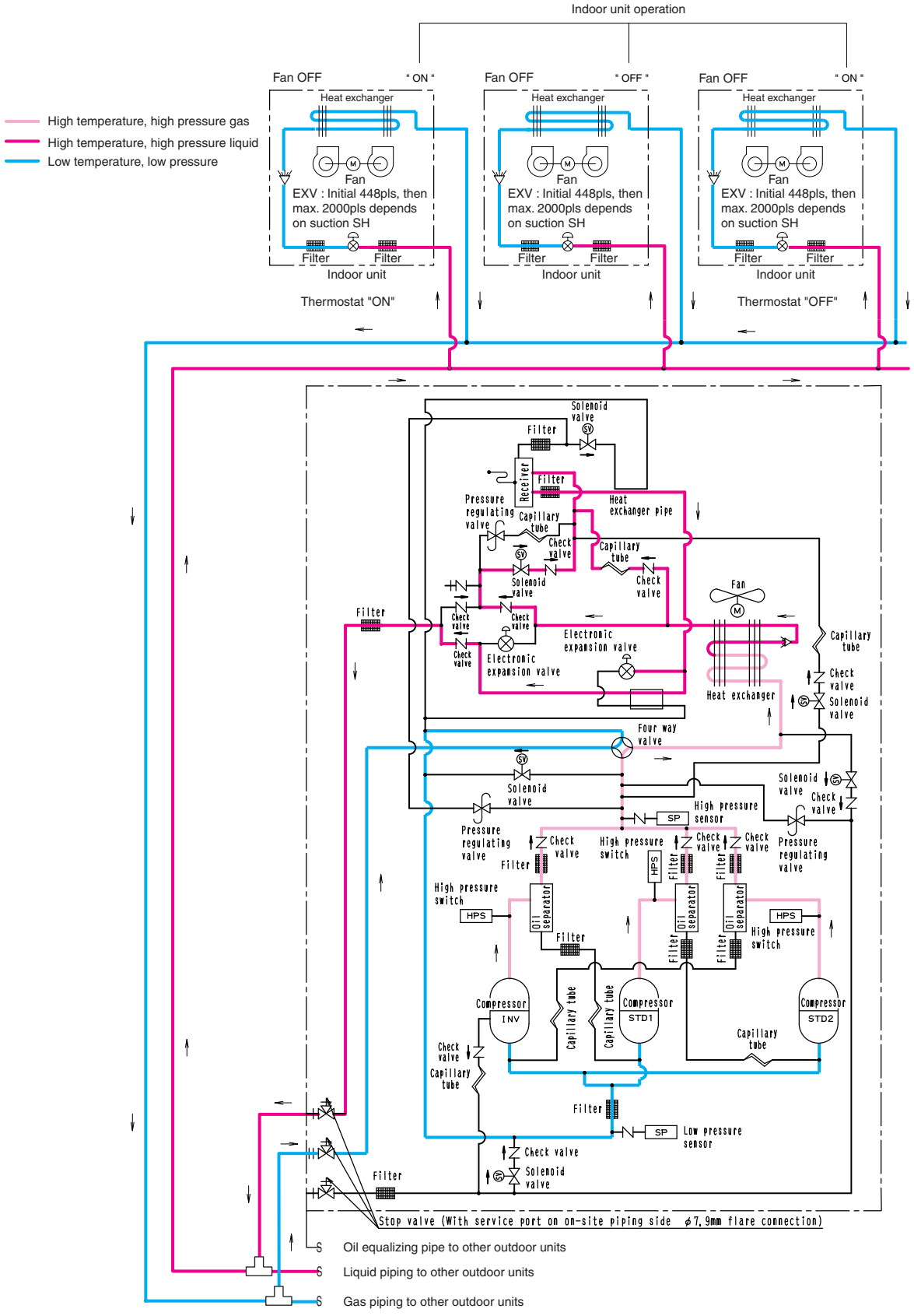
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Oil Return & Defrost Operation



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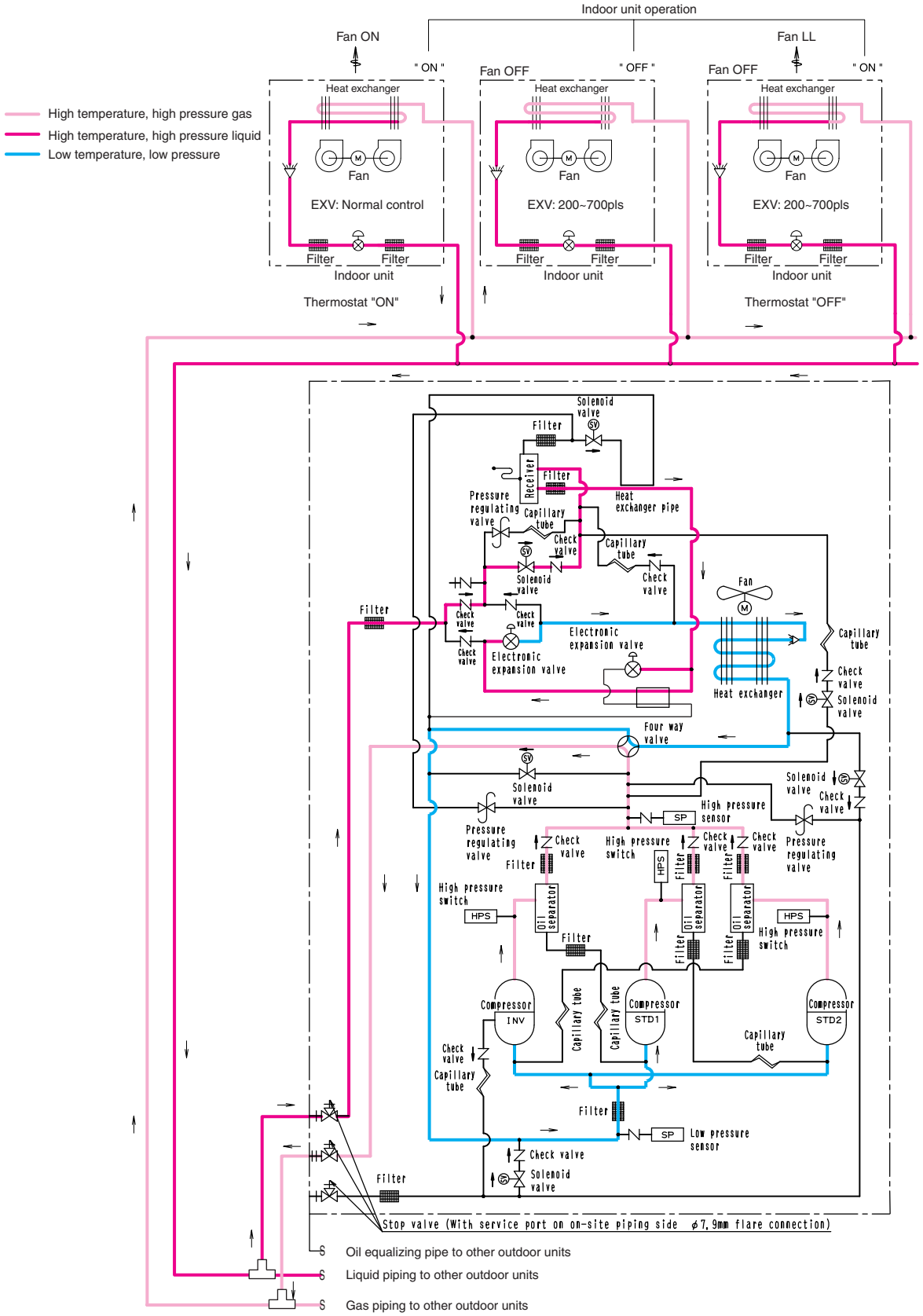
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating Operation



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Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

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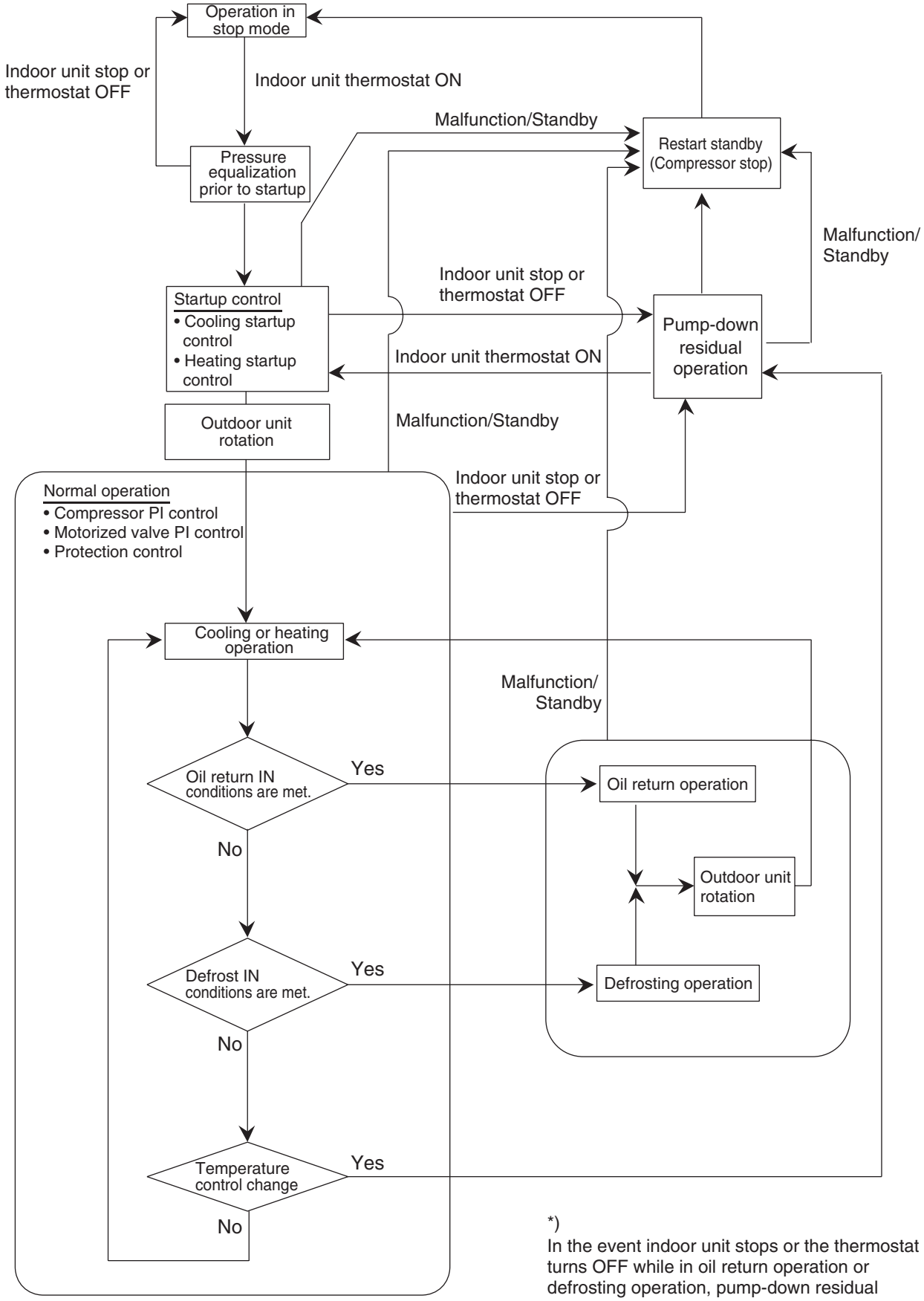
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Operation Mode



*)
In the event indoor unit stops or the thermostat turns OFF while in oil return operation or defrosting operation, pump-down residual operation is performed on completion of the oil return operation or defrosting operation.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2. Basic Control

2.1 Normal Operation

■ Cooling Operation

Actuator	Operation	Remarks
Compressor	Compressor PI control	Used for high pressure protection control, low pressure protection control, discharge pipe temperature protection control, and compressor operating frequency upper limit control with inverter protection control.
Outdoor unit fan	Cooling fan control	—
Four way valve	OFF	—
Main motorized valve (EV1)	0 pls	— (RX(Y)5M : 2000pls)
Subcooling motorized valve (EV2)	PI control	—
Hot gas bypass valve (SVP)	OFF	This valve turns on with low pressure protection control.
Oil equalization valve (SVO)	ON	In the case of multi-outdoor-unit system, this valve repeats ON/OFF operation at regular intervals of time.
Receiver gas charging valve (SVL)	OFF	This valve turns on when outdoor temperature is low.
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—

■ Heating Operation

Actuator	Operation	Remarks
Compressor	Compressor PI control	Used for high pressure protection control, low pressure protection control, discharge pipe temperature protection control, and compressor operating frequency upper limit control with inverter protection control.
Outdoor unit fan	STEP8 or 9	—
Four way valve	ON	—
Main motorized valve (EV1)	PI control	—
Subcooling motorized valve (EV2)	0 pls	—
Hot gas bypass valve (SVP)	OFF	This valve turns on with low pressure protection control.
Oil equalization valve (SVO)	ON	In the case of multi-outdoor-unit system, this valve repeats ON/OFF operation at regular intervals of time.
Receiver gas charging valve (SVL)	OFF	—
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—

★Heating operation is not functional at an outdoor air temperature of 25°C or more.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.2 Compressor PI Control

Compressor PI Control

Carries out the compressor capacity PI control to maintain Te at constant during cooling operation and Tc at constant during heating operation to ensure stable unit performance.

[Cooling operation]

Controls compressor capacity to adjust Te to achieve target value (TeS).

Te : Low pressure equivalent saturation temperature (°C)

TeS : Target Te value
(Varies depending on Te setting, operating frequency, etc.)

Te setting

L	M (Normal) (factory setting)	H
3	6	9

[Heating operation]

Controls compressor capacity to adjust Tc to achieve target value (TcS).

Tc : High pressure equivalent saturation temperature (°C)

TcS : Target Tc value
(Varies depending on Tc setting, operating frequency, etc.)

Tc setting

L	M (Normal) (factory setting)	H
43	46	49

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

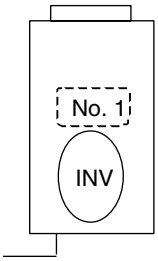
■ Compressor Operating Priority

Each compressor operates in the following order of priority.
In the case of multi-outdoor-unit system, each compressor operates in any of Pattern 1 through Pattern 3 according to the rotation of outdoor units.

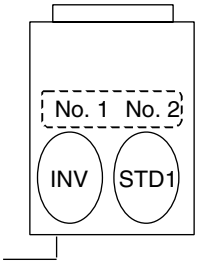
INV: Inverter compressor
STD1: Standard compressor 1
STD2: Standard compressor 2

Pattern 1 Pattern 2 Pattern 3

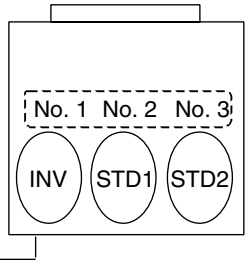
RX(Y)5M



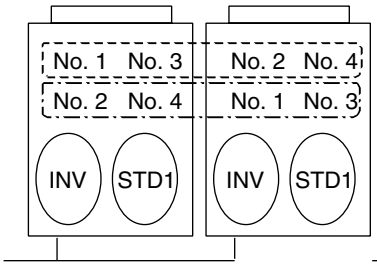
RX(Y)8,10,12M



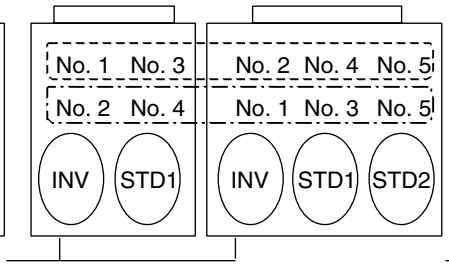
RX(Y)14,16M



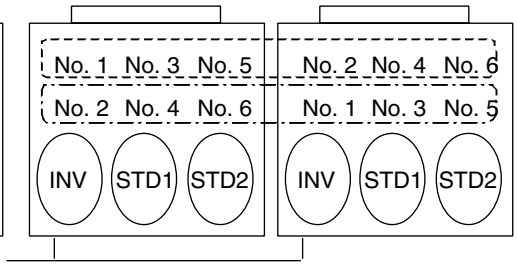
RX(Y)18,20,22M



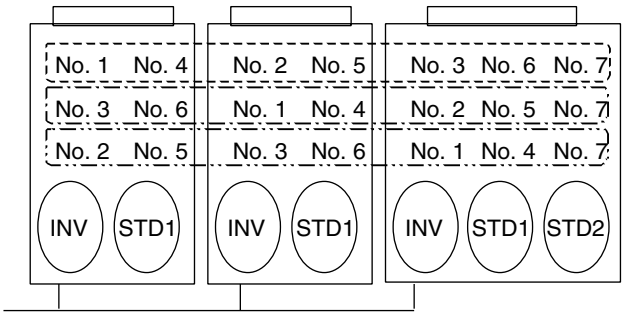
RX(Y)24,26,28M



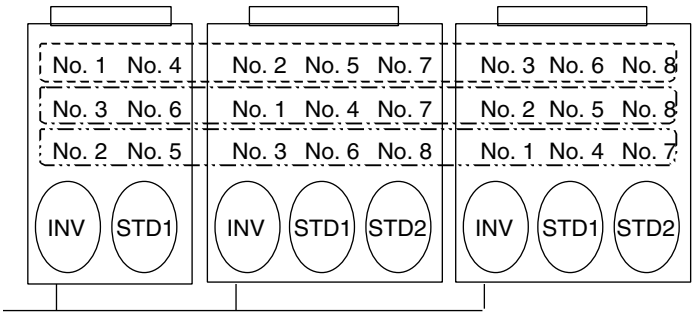
RX(Y)30,32M



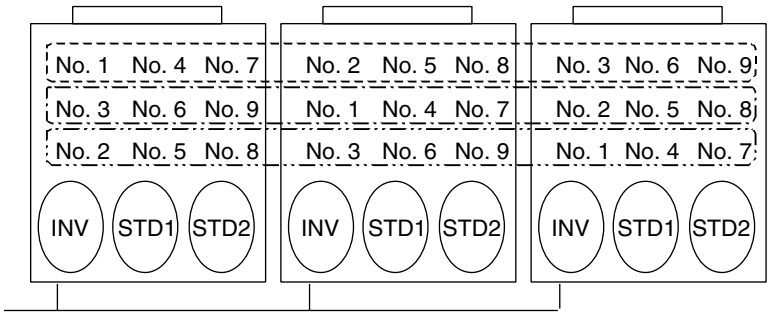
RX(Y)34,36,38M



RX(Y)40,42,44M



RX(Y)46,48M



*

- In the case of combination of 3 outdoor units, the above diagram shows master unit, slave unit 1, and slave unit 2 from left to right.
- Compressors may operate in any pattern other than those mentioned above according to the operating status.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RX(Y)5M

STEP	INV
1	52Hz
2	57Hz
3	62Hz
4	68Hz
5	74Hz
6	81Hz
7	88Hz
8	96Hz
9	104Hz
10	110Hz
11	116Hz
12	124Hz
13	133Hz
14	143Hz
15	158Hz
16	165Hz
17	177Hz
18	189Hz
19	202Hz
20	210Hz

RX(Y)8,10,12M

STEP	INV	STD1
1	52Hz	OFF
2	57Hz	OFF
3	62Hz	OFF
4	68Hz	OFF
5	74Hz	OFF
6	81Hz	OFF
7	88Hz	OFF
8	96Hz	OFF
9	104Hz	OFF
10	110Hz	OFF
11	116Hz	OFF
12	124Hz	OFF
13	133Hz	OFF
14	143Hz	OFF
15	158Hz	OFF
16	165Hz	OFF
17	177Hz	OFF
18	189Hz	OFF
19	202Hz	OFF
20	210Hz	OFF
21	52Hz	ON
22	74Hz	ON
23	96Hz	ON
24	116Hz	ON
25	133Hz	ON
26	158Hz	ON
27	177Hz	ON
28	202Hz	ON
29	210Hz	ON

RX(Y)14,16M

STEP	INV	STD1	STD2
1	52Hz	OFF	OFF
2	57Hz	OFF	OFF
3	62Hz	OFF	OFF
4	68Hz	OFF	OFF
5	74Hz	OFF	OFF
6	81Hz	OFF	OFF
7	88Hz	OFF	OFF
8	96Hz	OFF	OFF
9	104Hz	OFF	OFF
10	110Hz	OFF	OFF
11	116Hz	OFF	OFF
12	124Hz	OFF	OFF
13	133Hz	OFF	OFF
14	143Hz	OFF	OFF
15	158Hz	OFF	OFF
16	165Hz	OFF	OFF
17	177Hz	OFF	OFF
18	189Hz	OFF	OFF
19	202Hz	OFF	OFF
20	210Hz	OFF	OFF
21	52Hz	ON	OFF
22	74Hz	ON	OFF
23	96Hz	ON	OFF
24	116Hz	ON	OFF
25	133Hz	ON	OFF
26	158Hz	ON	OFF
27	177Hz	ON	OFF
28	189Hz	ON	OFF
29	52Hz	ON	ON
30	88Hz	ON	ON
31	124Hz	ON	ON
32	158Hz	ON	ON
33	189Hz	ON	ON

RX(Y)18,20,22M

STEP	Master unit INV	Slave unit INV	STD unit No.1	STD unit No.2
1	52Hz	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF
22	74Hz	189Hz	OFF	OFF
23	96Hz	189Hz	OFF	OFF
24	116Hz	189Hz	OFF	OFF
25	133Hz	189Hz	OFF	OFF
26	158Hz	189Hz	OFF	OFF
27	177Hz	189Hz	OFF	OFF
28	202Hz	189Hz	OFF	OFF
29	210Hz	189Hz	OFF	OFF
30	52Hz	189Hz	ON	OFF
31	88Hz	189Hz	ON	OFF
32	124Hz	189Hz	ON	OFF
33	158Hz	189Hz	ON	OFF
34	189Hz	189Hz	ON	OFF
35	210Hz	189Hz	ON	OFF
36	52Hz	189Hz	ON	ON
37	88Hz	189Hz	ON	ON
38	124Hz	189Hz	ON	ON
39	158Hz	189Hz	ON	ON
40	189Hz	189Hz	ON	ON
41	210Hz	189Hz	ON	ON

RX(Y)24,26,28M

STEP	Master unit INV	Slave unit INV	STD unit No.1	STD unit No.2	STD unit No.3
1	52Hz	OFF	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF	OFF
22	74Hz	189Hz	OFF	OFF	OFF
23	96Hz	189Hz	OFF	OFF	OFF
24	116Hz	189Hz	OFF	OFF	OFF
25	133Hz	189Hz	OFF	OFF	OFF
26	158Hz	189Hz	OFF	OFF	OFF
27	177Hz	189Hz	OFF	OFF	OFF
28	202Hz	189Hz	OFF	OFF	OFF
29	210Hz	189Hz	OFF	OFF	OFF
30	52Hz	189Hz	ON	OFF	OFF
31	88Hz	189Hz	ON	OFF	OFF
32	124Hz	189Hz	ON	OFF	OFF
33	158Hz	189Hz	ON	OFF	OFF
34	189Hz	189Hz	ON	OFF	OFF
35	210Hz	189Hz	ON	OFF	OFF
36	52Hz	189Hz	ON	ON	OFF
37	88Hz	189Hz	ON	ON	OFF
38	124Hz	189Hz	ON	ON	OFF
39	158Hz	189Hz	ON	ON	OFF
40	189Hz	189Hz	ON	ON	OFF
41	210Hz	189Hz	ON	ON	OFF
42	52Hz	189Hz	ON	ON	ON
43	104Hz	189Hz	ON	ON	ON
44	143Hz	189Hz	ON	ON	ON
45	189Hz	189Hz	ON	ON	ON
46	210Hz	189Hz	ON	ON	ON

*

- Compressors are operated in the order of descending priorities.
- Compressors may operate in a pattern other than those listed in above tables subject to the operating conditions.
- “Master unit”, and “slave unit” in this section are the names for control, and they will be transferred according to the priority of rotation system.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RX(Y)30,32M

STEP	Master unit INV	Slave unit INV	STD unit No.1	STD unit No.2	STD unit No.3	STD unit No.4
1	52Hz	OFF	OFF	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF	OFF	OFF
22	74Hz	189Hz	OFF	OFF	OFF	OFF
23	96Hz	189Hz	OFF	OFF	OFF	OFF
24	116Hz	189Hz	OFF	OFF	OFF	OFF
25	133Hz	189Hz	OFF	OFF	OFF	OFF
26	158Hz	189Hz	OFF	OFF	OFF	OFF
27	177Hz	189Hz	OFF	OFF	OFF	OFF
28	202Hz	189Hz	OFF	OFF	OFF	OFF
29	210Hz	189Hz	OFF	OFF	OFF	OFF
30	52Hz	189Hz	ON	OFF	OFF	OFF
31	88Hz	189Hz	ON	OFF	OFF	OFF
32	124Hz	189Hz	ON	OFF	OFF	OFF
33	158Hz	189Hz	ON	OFF	OFF	OFF
34	189Hz	189Hz	ON	OFF	OFF	OFF
35	210Hz	189Hz	ON	OFF	OFF	OFF
36	52Hz	189Hz	ON	ON	OFF	OFF
37	88Hz	189Hz	ON	ON	OFF	OFF
38	124Hz	189Hz	ON	ON	OFF	OFF
39	158Hz	189Hz	ON	ON	OFF	OFF
40	189Hz	189Hz	ON	ON	OFF	OFF
41	52Hz	189Hz	ON	ON	ON	OFF
42	104Hz	189Hz	ON	ON	ON	OFF
43	143Hz	189Hz	ON	ON	ON	OFF
44	189Hz	189Hz	ON	ON	ON	OFF
45	52Hz	189Hz	ON	ON	ON	ON
46	104Hz	189Hz	ON	ON	ON	ON
47	143Hz	189Hz	ON	ON	ON	ON
48	189Hz	189Hz	ON	ON	ON	ON

RX(Y)34,36,38M

STEP	Master unit INV	Slave unit1 INV	Slave unit2 INV	STD unit No.1	STD unit No.2	STD unit No.3	STD unit No.4
1	52Hz	OFF	OFF	OFF	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF	OFF	OFF	OFF
22	74Hz	189Hz	OFF	OFF	OFF	OFF	OFF
23	96Hz	189Hz	OFF	OFF	OFF	OFF	OFF
24	116Hz	189Hz	OFF	OFF	OFF	OFF	OFF
25	133Hz	189Hz	OFF	OFF	OFF	OFF	OFF
26	158Hz	189Hz	OFF	OFF	OFF	OFF	OFF
27	177Hz	189Hz	OFF	OFF	OFF	OFF	OFF
28	202Hz	189Hz	OFF	OFF	OFF	OFF	OFF
29	210Hz	189Hz	OFF	OFF	OFF	OFF	OFF
30	52Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
31	88Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
32	124Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
33	158Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
34	189Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
35	210Hz	189Hz	189Hz	OFF	OFF	OFF	OFF
36	52Hz	189Hz	189Hz	ON	OFF	OFF	OFF
37	88Hz	189Hz	189Hz	ON	OFF	OFF	OFF
38	124Hz	189Hz	189Hz	ON	OFF	OFF	OFF
39	158Hz	189Hz	189Hz	ON	OFF	OFF	OFF
40	189Hz	189Hz	189Hz	ON	OFF	OFF	OFF
41	210Hz	189Hz	189Hz	ON	OFF	OFF	OFF
42	52Hz	189Hz	189Hz	ON	ON	OFF	OFF
43	104Hz	189Hz	189Hz	ON	ON	OFF	OFF
44	143Hz	189Hz	189Hz	ON	ON	OFF	OFF
45	189Hz	189Hz	189Hz	ON	ON	OFF	OFF
46	210Hz	189Hz	189Hz	ON	ON	OFF	OFF
47	52Hz	189Hz	189Hz	ON	ON	ON	OFF
48	104Hz	189Hz	189Hz	ON	ON	ON	OFF
49	143Hz	189Hz	189Hz	ON	ON	ON	OFF
50	189Hz	189Hz	189Hz	ON	ON	ON	OFF
51	52Hz	189Hz	189Hz	ON	ON	ON	ON
52	104Hz	189Hz	189Hz	ON	ON	ON	ON
53	143Hz	189Hz	189Hz	ON	ON	ON	ON
54	189Hz	189Hz	189Hz	ON	ON	ON	ON

*

- Compressors are operated in the order of descending priorities.
- Compressors may operate in a pattern other than those listed in above tables subject to the operating conditions.
- “Master unit”, and “slave unit” in this section are the names for control, and they will be transferred according to the priority of rotation system.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RX(Y)40,42,44M

STEP	Master unit INV	Slave unit1 INV	Slave unit2 INV	STD unit No.1	STD unit No.2	STD unit No.3	STD unit No.4	STD unit No.5
1	52Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
22	74Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
23	96Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
24	116Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
25	133Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
26	158Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
27	177Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
28	202Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
29	210Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
30	52Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
31	88Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
32	124Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
33	158Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
34	189Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
35	210Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF
36	52Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
37	88Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
38	124Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
39	158Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
40	189Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
41	210Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF
42	52Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF
43	104Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF
44	143Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF
45	189Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF
46	210Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF
47	52Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF
48	104Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF
49	143Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF
50	189Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF
51	52Hz	189Hz	189Hz	ON	ON	ON	ON	OFF
52	104Hz	189Hz	189Hz	ON	ON	ON	ON	OFF
53	143Hz	189Hz	189Hz	ON	ON	ON	ON	OFF
54	189Hz	189Hz	189Hz	ON	ON	ON	ON	OFF
55	52Hz	189Hz	189Hz	ON	ON	ON	ON	ON
56	104Hz	189Hz	189Hz	ON	ON	ON	ON	ON
57	143Hz	189Hz	189Hz	ON	ON	ON	ON	ON
58	189Hz	189Hz	189Hz	ON	ON	ON	ON	ON

*

- Compressors are operated in the order of descending priorities.
- Compressors may operate in a pattern other than those listed in above tables subject to on the operating conditions.
- “Master unit”, “slave unit 1” and “slave unit 2” in this section are the names for control, and they will be transferred according to the priority of rotation system.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RX(Y)46,48M

STEP	Master unit INV	Slave unit1 INV	Slave unit2 INV	STD unit No.1	STD unit No.2	STD unit No.3	STD unit No.4	STD unit No.5	STD unit No.6
1	52Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	57Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3	62Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4	68Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
5	74Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
6	81Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
7	88Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
8	96Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
9	104Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
10	110Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
11	116Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
12	124Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
13	133Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
14	143Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
15	158Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
16	165Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
17	177Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
18	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
19	202Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
20	210Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
21	52Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
22	74Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
23	96Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
24	116Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
25	133Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
26	158Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
27	177Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
28	202Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
29	210Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF	OFF
30	52Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
31	88Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
32	124Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
33	158Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
34	189Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
35	210Hz	189Hz	189Hz	OFF	OFF	OFF	OFF	OFF	OFF
36	52Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
37	88Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
38	124Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
39	158Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
40	189Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
41	210Hz	189Hz	189Hz	ON	OFF	OFF	OFF	OFF	OFF
42	52Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF	OFF
43	104Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF	OFF
44	143Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF	OFF
45	189Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF	OFF
46	210Hz	189Hz	189Hz	ON	ON	OFF	OFF	OFF	OFF
47	52Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF	OFF
48	104Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF	OFF
49	143Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF	OFF
50	189Hz	189Hz	189Hz	ON	ON	ON	OFF	OFF	OFF
51	52Hz	189Hz	189Hz	ON	ON	ON	ON	OFF	OFF
52	104Hz	189Hz	189Hz	ON	ON	ON	ON	OFF	OFF
53	143Hz	189Hz	189Hz	ON	ON	ON	ON	OFF	OFF
54	189Hz	189Hz	189Hz	ON	ON	ON	ON	OFF	OFF
55	52Hz	189Hz	189Hz	ON	ON	ON	ON	ON	OFF
56	104Hz	189Hz	189Hz	ON	ON	ON	ON	ON	OFF
57	143Hz	189Hz	189Hz	ON	ON	ON	ON	ON	OFF
58	189Hz	189Hz	189Hz	ON	ON	ON	ON	ON	OFF
59	52Hz	189Hz	189Hz	ON	ON	ON	ON	ON	ON
60	104Hz	189Hz	189Hz	ON	ON	ON	ON	ON	ON
61	143Hz	189Hz	189Hz	ON	ON	ON	ON	ON	ON
62	189Hz	189Hz	189Hz	ON	ON	ON	ON	ON	ON

- Compressors are operated in the order of descending priorities.
- Compressors may operate in a pattern other than those listed in above tables subject to on the operating conditions.
- “Master unit”, “slave unit 1” and “slave unit 2” in this section are the names for control, and they will be transferred according to the priority of rotation system.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.3 Electronic Expansion Valve PI Control

Main Motorized Valve EV1 Control

Carries out the motorized valve (Y1E) PI control to maintain the evaporator outlet superheated degree (SH) at constant during heating operation to make maximum use of the outdoor unit heat exchanger (evaporator).

SH = Ts - Te

SH : Evaporator outlet superheated degree (°C)

Ts : Suction pipe temperature detected by thermistor R2T (°C)

Te : Low pressure equivalent saturation temperature (°C)

The optimum initial value of the evaporator outlet superheated degree is 5°C, but varies depending on the discharge pipe superheated degree of inverter compressor.

Subcooling Motorized Valve EV2 Control

Makes PI control of the motorized valve (Y2E) to keep the superheated degree of the outlet gas pipe on the evaporator side for the full use of the subcooling heat exchanger.

SH = Tsh -Te

SH : Outlet superheated degree of evaporator (°C)

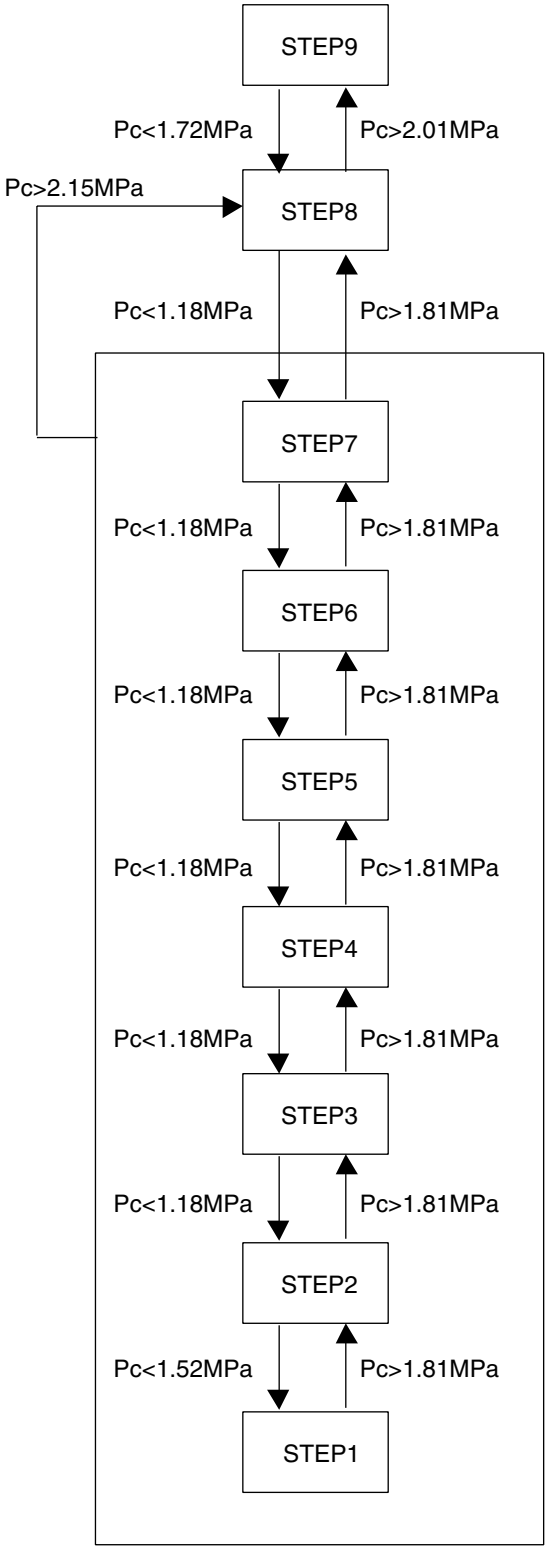
Tsh : Suction pipe temperature detected with the thermistor R5T (°C)

Te : Low pressure equivalent saturation temperature (°C)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.4 Cooling Operation Fan Control

In cooling operation with low outdoor air temperature, this control is used to provide the adequate amount of circulation air with liquid pressure secured by high pressure control using outdoor unit fan.



Pc: HP pressure sensor detection value

Fan Steps

	RX(Y)5M	RX(Y) 8 and 10M	RX(Y) 12 to 16M
STEP1	0rpm	0rpm	0rpm
STEP2	300rpm	300rpm	300rpm
STEP3	320rpm	320rpm	325rpm
STEP4	350rpm	345rpm	355rpm
STEP5	385rpm	385rpm	400rpm
STEP6	470rpm	465rpm	500rpm
STEP7	585rpm	575rpm	630rpm
STEP8	800rpm	765rpm	880rpm
STEP9	840rpm	825rpm	920rpm

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. Special Control

3.1 Startup Control

3.1.1 Startup Control in Cooling Operation

Actuator	Operation	Remarks
Compressor	Differential pressure control	Compressor operating frequency increases by 2 step / 20 sec until Pc - Pe>0.4 MPa.
Outdoor unit fan	High pressure control	Initial compressor operating frequency is set to STEP 1. 1-step increase with Pc>1.5 MPa 1-step decrease with Pc<1.2 MPa
Four way valve	OFF	—
Main motorized valve (EV1)	0 pls	— (RX(Y)5M : 2000pls)
Subcooling motorized valve (EV2)	0 pls	—
Hot gas bypass valve (SVP)	ON	—
Oil equalization valve (SVO)	ON	In the case of multi-outdoor-unit system, this valve repeats ON/OFF operation at regular intervals of time to equalize the oil level of each outdoor unit.
Receiver gas charging valve (SVL)	OFF	—
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—
Ending conditions	or • 200 sec. • Pc - Pe>0.4 MPa	

* In the case of multi-outdoor-unit system, both master and slave units perform the operations listed in the table above.
* Actuators are based on RX(Y)16M.

3.1.2 Startup Control in Heating Operation (H / P model only)

Actuator	Operation	Remarks
Compressor	Differential pressure control	Compressor operating frequency increases by 2 step / 20 sec until Pc - Pe>0.4 MPa.
Outdoor unit fan	STEP9	—
Four way valve	ON	—
Main motorized valve (EV1)	180 pls	—
Subcooling motorized valve (EV2)	0 pls	—
Hot gas bypass valve (SVP)	ON	—
Oil equalization valve (SVO)	ON	In the case of multi-outdoor-unit system, this valve repeats ON/OFF operation at regular intervals of time to equalize the oil level of each outdoor unit.
Receiver gas charging valve (SVL)	OFF	—
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—
Ending conditions	or • 200 sec. • Pc - Pe>0.4 MPa	

* In the case of multi-outdoor-unit system, both master and slave units perform the operations listed in the table above.
* Actuators are based on RXY16M.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2 Oil Return Operation

3.2.1 Oil Return Operation in Cooling Operation

Outdoor unit actuator	Oil return preparation operation	Oil return operation	Post-oil-return operation
Compressor	Upper limit control	124 Hz + ON + OFF	124 Hz + ON + OFF
Outdoor unit fan	Fan control	Fan control	Fan control
Four way valve	OFF	OFF	OFF
Main motorized valve (EV1) *Value in ( ) are for RX(Y)5M only.	0 pls (2000pls)	0 pls (2000pls)	0 pls (2000pls)
Subcooling motorized valve (EV2)	SH control	0 pls	0 pls
Hot gas bypass valve (SVP)	OFF	ON	ON
Oil equalization valve (SVO)	ON	ON	ON
Receiver gas charging valve (SVL)	OFF	OFF	OFF
Receiver gas discharging valve (SVG)	OFF	OFF	OFF
Non-operating unit gas discharging valve (SVSG)	OFF	OFF	OFF
Non-operating unit liquid pipe stop valve (SVSL)	ON	ON	ON
Ending conditions	20 sec.	or • 3 min. • Ts - Te<5	10 sec.

* In the case of multi-outdoor-unit system,
  Master unit: Performs the operations listed in the table above.
  Slave units: Operating units perform the operations listed in the table above.
  Non-operating units perform the operations listed in the table above from the oil return operation.
  (Non-operating unit stops during “oil return preparation operation”.)
* Actuators are based on RX(Y)16M.

Indoor unit actuator		Cooling oil return operation
Fan	Thermostat ON unit	Set Air Volume
	Stopping unit	OFF
	Thermostat OFF unit	OFF
Electronic expansion valve	Thermostat ON unit	Normal opening
	Stopping unit	200 pls
	Thermostat OFF unit	200 pls

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2.2 Oil Return Operation in Heating Operation (H / P model only)

Outdoor Unit Actuator	Oil return preparation operation	Oil return operation	Post-oil-return operation
Compressor	Upper limit control	124 Hz + ON + ON	2-step increase from (74 Hz + OFF + OFF) to (Pc - Pe>0.4 MPa) time
Outdoor unit fan	STEP8 or STEP9	OFF	STEP9
Four way valve	ON	OFF	ON
Main motorized valve (EV1) ∗Value in ( ) are for RXY5M only.	SH control	0 pls (2000pls)	200~400 pls
Subcooling motorized valve (EV2)	0 pls	0 pls	0 pls
Hot gas bypass valve (SVP)	OFF	ON	ON
Oil equalization valve (SVO)	ON	ON	ON
Receiver gas charging valve (SVL)	OFF	OFF	OFF
Receiver gas discharging valve (SVG)	OFF	OFF	OFF
Non-operating unit gas discharging valve (SVSG)	OFF	OFF	OFF
Non-operating unit liquid pipe stop valve (SVSL)	ON	ON	ON
Ending conditions	2 min.	or • 6 min. • Ts - Te<5	or • 160 sec. • Pc - Pe>0.4MPa

* In the case of multi-outdoor-unit system,
  Master unit: Performs the operations listed in the table above.
  Slave units: Operating units perform the operations listed in the table above.
  Non-operating units perform the operations listed in the table above from the oil return operation.
  (Non-operating unit stops during “oil return preparation operation”.)
* Actuators are based on RXY16M.

Indoor unit actuator		Heating oil return operation
Fan	Thermostat ON unit	OFF
	Stopping unit	OFF
	Thermostat OFF unit	OFF
Electronic expansion valve	Thermostat ON unit	512 pls
	Stopping unit	512 pls
	Thermostat OFF unit	512 pls

<In condition of oil return operation>
Compressor cumulative operation time > Max. 8 hours, it will depend on the compressor frequency during operation.
(However, 2 hours after turning power on first time.)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.3 Defrosting Operation (H / P model only)

Outdoor unit actuator	Defrost preparation operation	Defrost operation	Post Defrost operation
Compressor	Upper limit control	143 Hz + ON + ON	2-step increase from (74 Hz + OFF + OFF) to (Pc - Pe>0.4 MPa)
Outdoor unit fan	STEP8 or STEP9	OFF ⇄ (Pc>1.8MPa / Pc<1.5MPa) Step4	STEP9
Four way valve	ON	OFF	ON
Main motorized valve (EV1) ∗Value in ( ) are for RX(Y)5M only.	SH control	0 pls (2000pls)	200~400 pls
Subcooling motorized valve (EV2)	0 pls	0 pls	0 pls
Hot gas bypass valve (SVP)	OFF	ON	ON
Oil equalization valve (SVO)	ON	ON	ON
Receiver gas charging valve (SVL)	OFF	OFF	OFF
Receiver gas discharging valve (SVG)	OFF	OFF	OFF
Non-operating unit gas discharging valve (SVSG)	OFF	OFF	OFF
Non-operating unit liquid pipe stop valve (SVSL)	ON	ON	ON
Ending conditions	2 min.	or • 12 min. • Ts >11°C	or • 160 sec. • Pc - Pe>0.4MPa

∗ In the case of multi-outdoor-unit system,
Master unit: Performs the operations listed in the table above.
Slave units: Operating units perform the operations listed in the table above.
Non-operating units perform the operations listed in the table above from the Defrost operation.
(Non-operating unit stops during “Defrost preparation operation”.)

∗ Actuators are based on RXY16M.

Indoor unit actuator		During defrost
Fan	Thermostat ON unit	OFF
	Stopping unit	OFF
	Thermostat OFF unit	OFF
Electronic expansion valve	Thermostat ON unit	512 pls
	Stopping unit	512 pls
	Thermostat OFF unit	512 pls

<Defrost starting condition>
Defrost operation is started when the outdoor heat exchanger temperature becomes lower than deicer temperature.
Defrost operation is conducted once in max. 2 hours.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.4 Pump-down Residual Operation

3.4.1 Pump-down Residual Operation in Cooling Operation

Actuator	Master unit operation	Slave unit operation
Compressor	210 Hz + OFF + OFF	OFF
Outdoor unit fan	Fan control	OFF
Four way valve	OFF	OFF
Main motorized valve (EV1) ∗Value in ( ) are for RX(Y)5M only.	0 pls (2000pls)	0 pls
Subcooling motorized valve (EV2)	0 pls	0 pls
Hot gas bypass valve (SVP)	ON	OFF
Oil equalization valve (SVO)	ON	OFF
Receiver gas charging valve (SVL)	OFF	OFF
Receiver gas discharging valve (SVG)	ON	ON
Non-operating unit gas discharging valve (SVSG)	OFF	ON
Non-operating unit liquid pipe stop valve (SVSL)	ON	ON
Ending conditions	or • 5 min. • Pe<0.25 MPa • Td>110°C	

∗ Actuators are based on RX(Y)16M.

3.4.2 Pump-down Residual Operation in Heating Operation (H / P model only)

Actuator	Master unit operation	Slave unit operation
Compressor	124 Hz + OFF + OFF	OFF
Outdoor unit fan	STEP9	STEP5
Four way valve	ON	ON
Main motorized valve (EV1)	0 pls	0 pls
Subcooling motorized valve (EV2)	0 pls	0 pls
Hot gas bypass valve (SVP)	ON	OFF
Oil equalization valve (SVO)	ON	OFF
Receiver gas charging valve (SVL)	OFF	OFF
Receiver gas discharging valve (SVG)	ON	ON
Non-operating unit gas discharging valve (SVSG)	OFF	ON
Non-operating unit liquid pipe stop valve (SVSL)	ON	ON
Ending conditions	or • 3 min. • Pe<0.10 MPa • Td>135°C	

∗ Actuators are based on RXY16M.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.5 Restart Standby

Actuator	Operation	Remarks
Compressor	OFF	—
Outdoor unit fan	Ta>30°C: STEP5 Ta≤30°C: OFF	—
Four way valve	Holds ON	—
Main motorized valve (EV1)	0 pls	—
Subcooling motorized valve (EV2)	0 pls	—
Hot gas bypass valve (SVP)	OFF	In the case of RX(Y)5M , this valve turns ON.
Oil equalization valve (SVO)	ON	In the case of slave units, this valve turns OFF.
Receiver gas charging valve (SVL)	OFF	—
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—
Ending conditions	5 min.	—

* Actuators are based on RX(Y)16M.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.6 Stopping Operation

3.6.1 When System is in Stop Mode

Actuator	Operation
Compressor	OFF
Outdoor unit fan	OFF
Four way valve	Holds ON
Main motorized valve (EV1)	0 pls
Subcooling motorized valve (EV2)	0 pls
Hot gas bypass valve (SVP)	OFF
Oil equalization valve (SVO)	OFF
Receiver gas charging valve (SVL)	OFF
Receiver gas discharging valve (SVG)	OFF
Non-operating unit gas discharging valve (SVSG)	OFF
Non-operating unit liquid pipe stop valve (SVSL)	ON
Ending conditions	Indoor unit thermostat is turned ON.

* Actuators are based on RX(Y)16M.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.6.2 Stopping Operation of Slave Units During Master Unit is in Operation With Multi-Outdoor-Unit System

In cooling operation: The system operates in Mode A or Mode B listed in the table below.

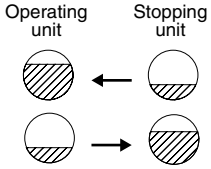
Actuator	Mode-A operation	Mode-B operation
Compressor	OFF	OFF
Outdoor unit fan	STEP4	OFF
Four way valve	OFF	Holds ON
Main motorized valve (EV1)	150 pls to 300 pls	0 pls
Subcooling motorized valve (EV2)	0 pls	0 pls
Hot gas bypass valve (SVP)	OFF	OFF
Oil equalization valve (SVO)	OFF	OFF
Receiver gas charging valve (SVL)	OFF	OFF
Receiver gas discharging valve (SVG)	OFF	OFF
Non-operating unit gas discharging valve (SVSG)	ON	ON
Non-operating unit liquid pipe stop valve (SVSL)	OFF	ON
Mode transition conditions	To Mode B when Tc−Tl >0.27×(Tc − Ta) +6	To Mode A when gas shortage signal is sent from indoor unit
Ending conditions	Slave units are required to operate.	

In heating operation: The system operates in Mode A or Mode B listed in the table below. (H / P model only)

Actuator	Mode-A operation	Mode-B operation
Compressor	OFF	OFF
Outdoor unit fan	STEP2	STEP2
Four way valve	ON	ON
Main motorized valve (EV1)	0 pls	0 pls
Subcooling motorized valve (EV2)	0 pls	0 pls
Hot gas bypass valve (SVP)	OFF	OFF
Oil equalization valve (SVO)	OFF	OFF
Receiver gas charging valve (SVL)	ON	OFF
Receiver gas discharging valve (SVG)	OFF	OFF
Non-operating unit gas discharging valve (SVSG)	ON	ON
Non-operating unit liquid pipe stop valve (SVSL)	OFF	ON
Mode transition conditions	To Mode B when Tc−mean temperature of indoor unit liquid pipes>10°C	To Mode A when motorized valve of operating outdoor unit fully opens.
Ending conditions	Slave units are required to operate.	

∗ Mode A or B operation

Mode A : Operating unit collects refrigerant.
Mode B : Stopping unit storage refrigerant.



The changeover operation for mode A and B is performed for the reason that the required refrigerant amount varies depending on the indoor unit operation capacity.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.7 Pressure Equalization prior to Startup

Actuator	Operation	Remarks
Compressor	OFF	—
Outdoor unit fan	Cooling:OFF Heating:STEP 4	—
Four way valve	Holds ON	—
Main motorized valve (EV1)	0 pls	—
Subcooling motorized valve (EV2)	0 pls	—
Hot gas bypass valve (SVP)	OFF	In the case of RX(Y)5M, this valve turns ON.
Oil equalization valve (SVO)	OFF	—
Receiver gas charging valve (SVL)	OFF	—
Receiver gas discharging valve (SVG)	OFF	—
Non-operating unit gas discharging valve (SVSG)	OFF	—
Non-operating unit liquid pipe stop valve (SVSL)	ON	—
Ending conditions	10 sec.	In the case of RX(Y)5M, 3 min. or Pc−Pe<0.2 MPa

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

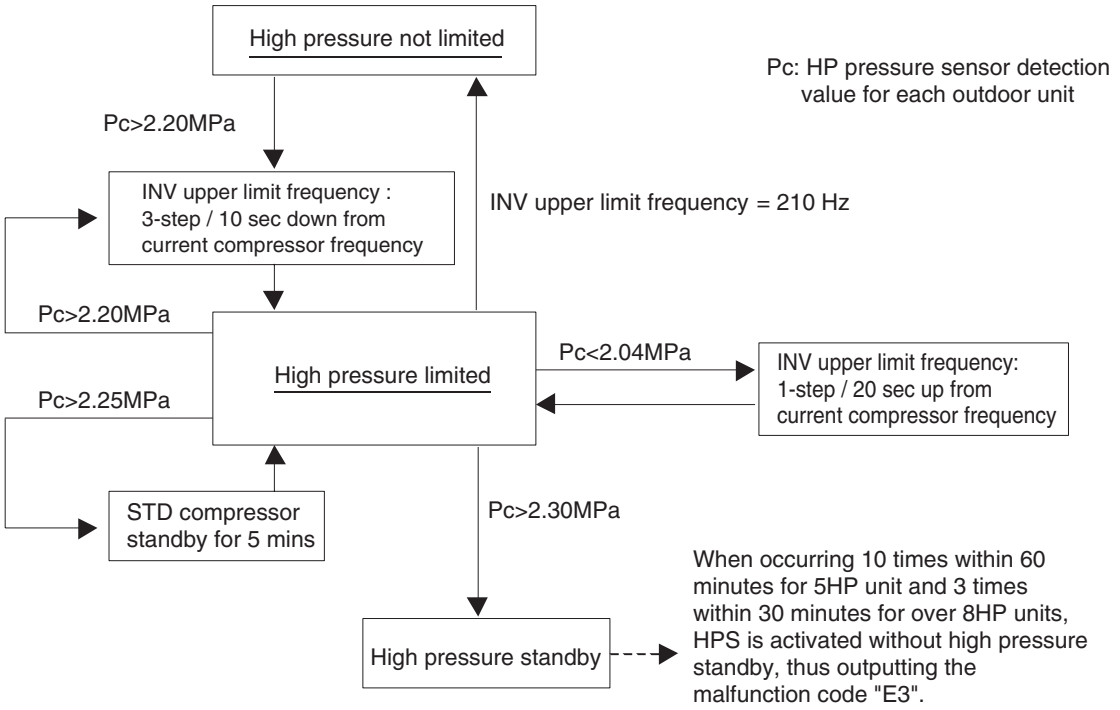
4. Protection Control

4.1 High Pressure Protection Control

This high pressure protection control is used to prevent the activation of protection devices due to abnormal increase of high pressure and to protect compressors against the transient increase of high pressure.

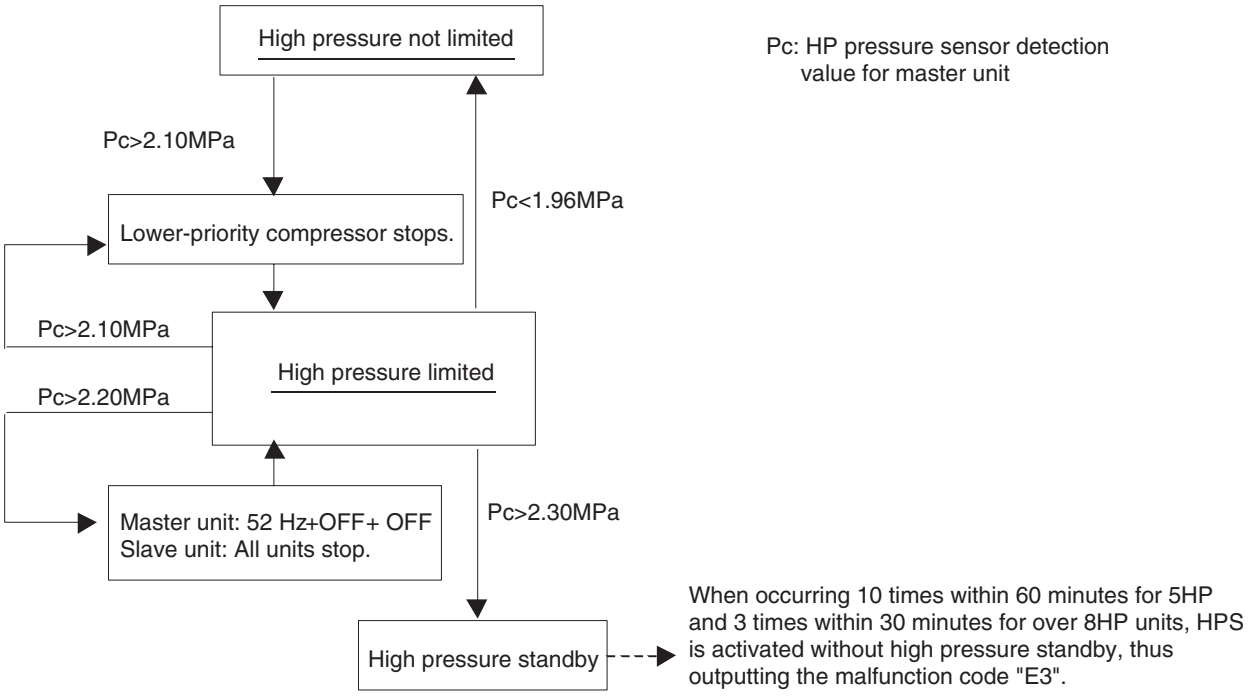
[In cooling operation]

★ In the case of multi-outdoor-unit system, each outdoor unit performs this control individually in the following sequence.



[In heating operation]

★ In the case of multi-outdoor-unit system, the entire system performs this control in the following sequence.



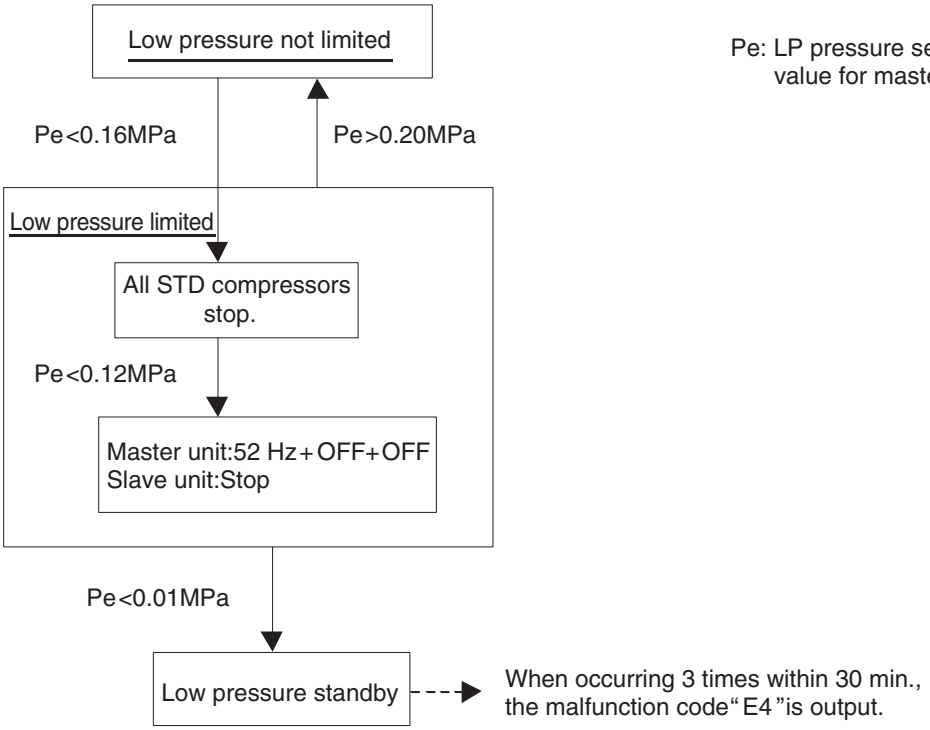
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.2 Low Pressure Protection Control

This low pressure protection control is used to protect compressors against the transient decrease of low pressure.

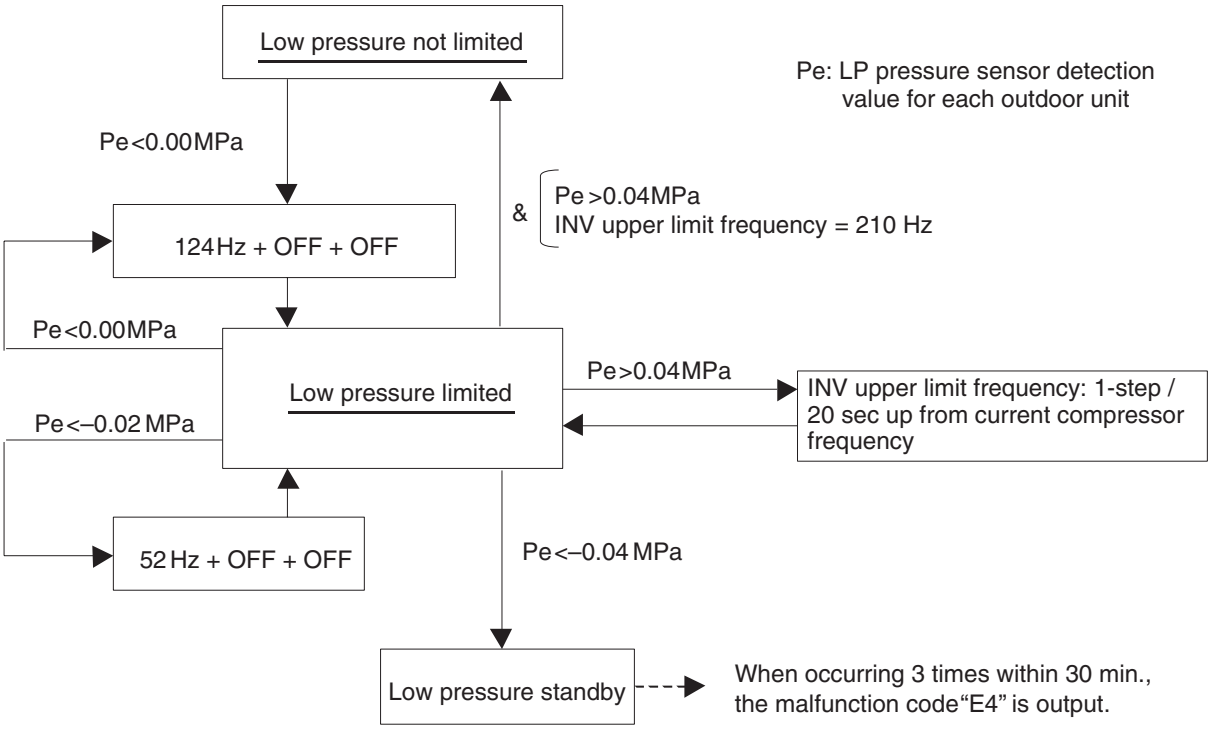
[In cooling operation]

★ In the case of multi-outdoor-unit system, the entire system performs this control in the following sequence.



[In heating operation]

★ In the case of multi-outdoor-unit system, each outdoor unit performs this control individually in the following sequence.



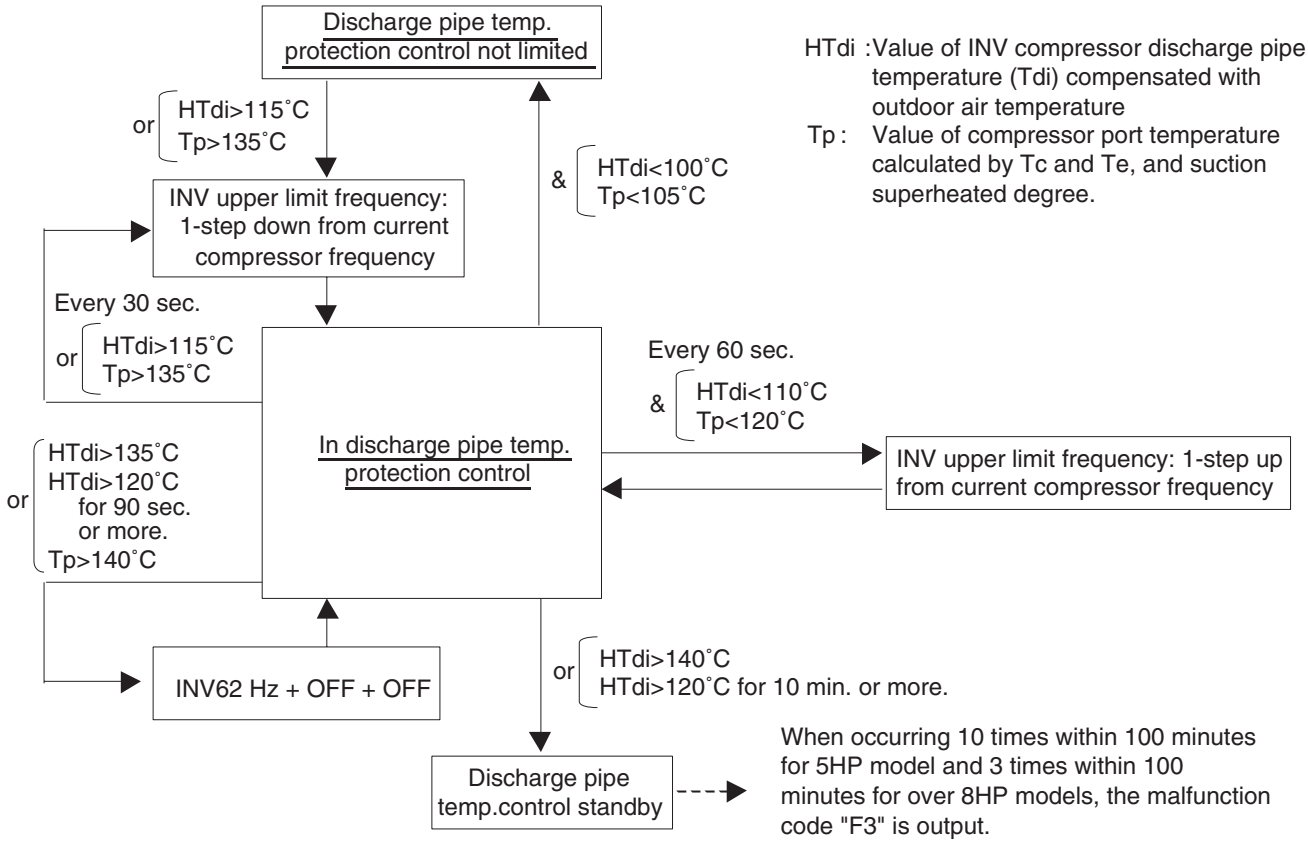
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.3 Discharge Pipe Protection Control

This discharge pipe protection control is used to protect the compressor internal temperature against a malfunction or transient increase of discharge pipe temperature.

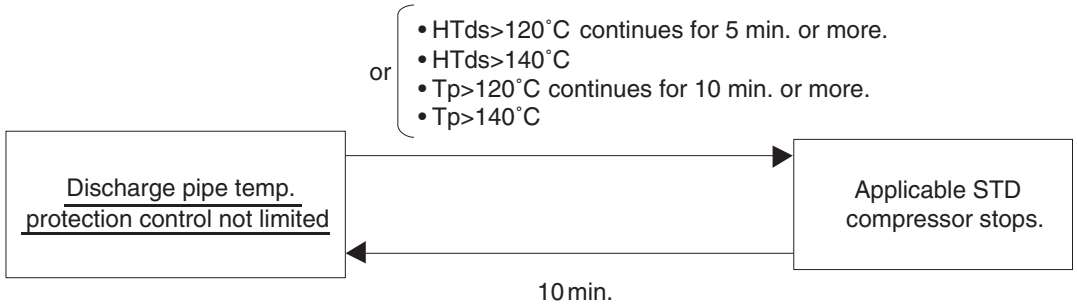
★ Each compressor performs the discharge pipe temperature protection control individually in the following sequence.

[INV compressor]



[STD compressor]

HTds : Value of STD compressor discharge pipe temperature (Tds) compensated with outdoor air temperature
Tp: Value of compressor port temperature calculated by Tc and Te, and suction superheated degree.



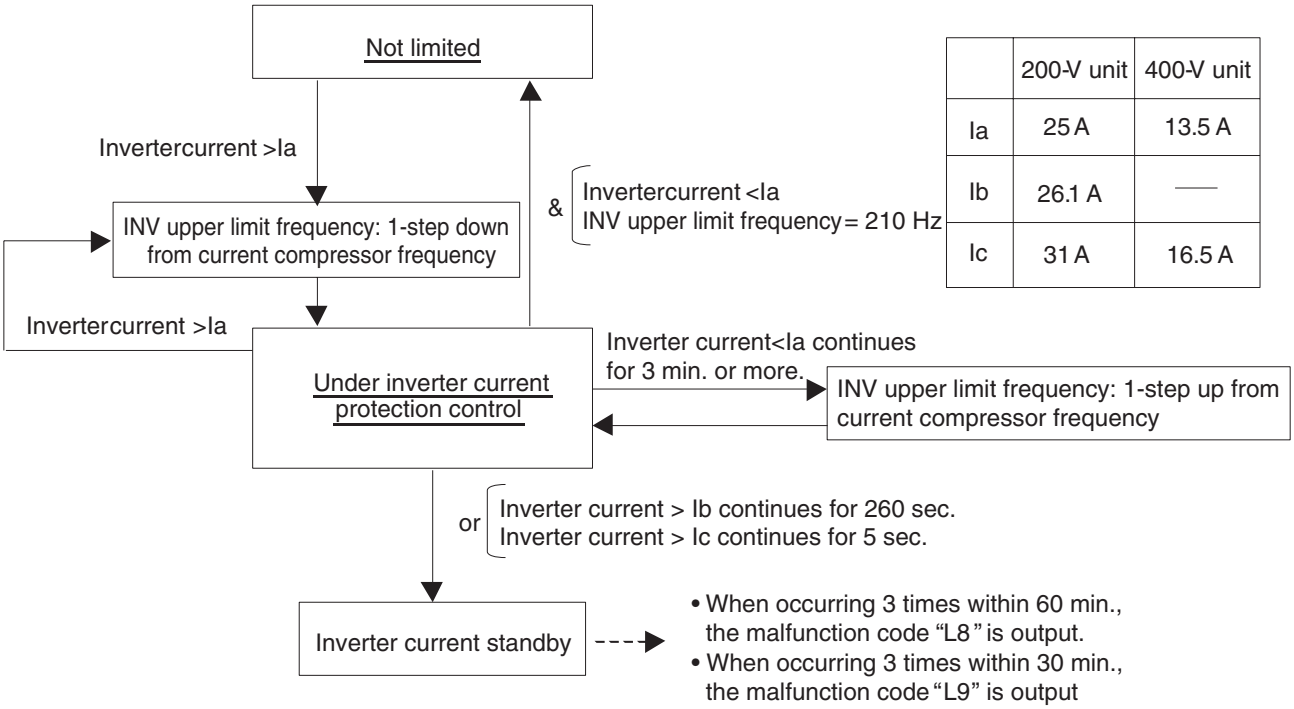
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.4 Inverter Protection Control

Inverter current protection control and inverter fin temperature control are performed to prevent tripping due to a malfunction, or transient inverter overcurrent, and fin temperature increase.

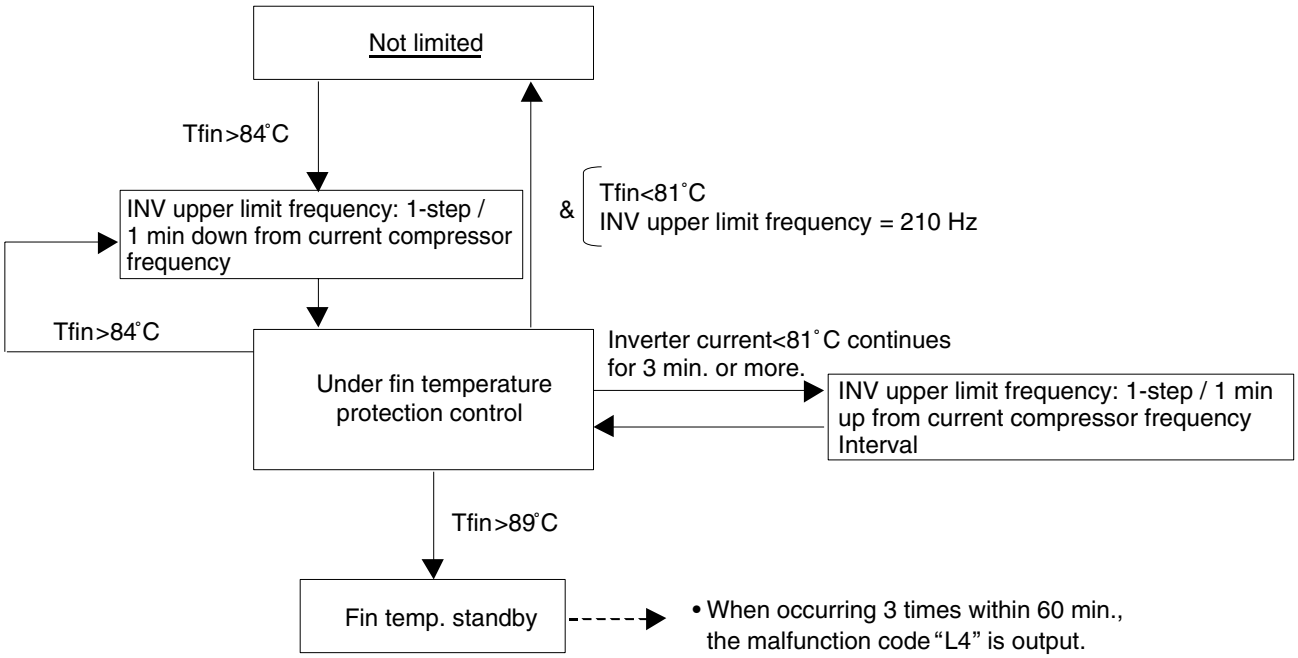
★ In the case of multi-outdoor-unit system, each INV compressor performs these controls in the following sequence.

[Inverter overcurrent protection control]



	200-V unit	400-V unit
Ia	25 A	13.5 A
Ib	26.1 A	——
Ic	31 A	16.5 A

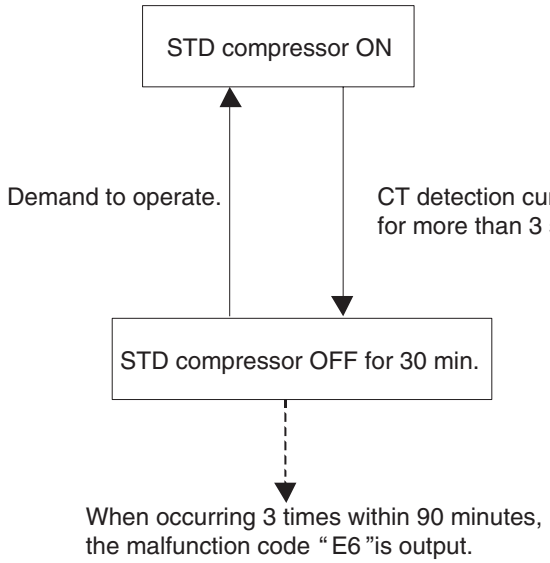
[Inverter fin temperature control]



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.5 STD Compressor Overload Protection

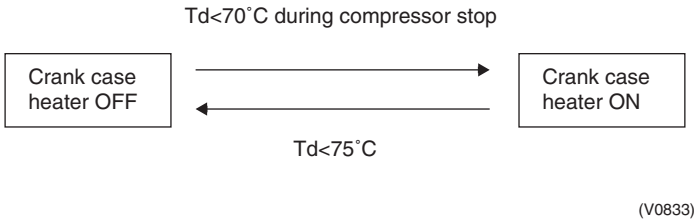
This control is used to prevent abnormal heating due to overcurrent to the compressor resulting from failures of STD compressor such as locking.


STD compressor ON
Demand to operate.
CT detection current value>A
for more than 3 sec.
STD compressor OFF for 30 min.
When occurring 3 times within 90 minutes,
the malfunction code “ E6 ”is output.

	200-V unit	400-V unit
A	28.8A	15.0A

4.6 Crankcase Heater Control

Controls the crankcase heater to prevent refrigerant from remaining in the inverter and STD compressor.



Td : Compressor discharge pipe temperature.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

5. Other Control

5.1 Outdoor Unit Rotation

In the case of multi-outdoor-unit system, this outdoor unit rotation is used to prevent the compressor from burning out due to unbalanced oil level between outdoor units.

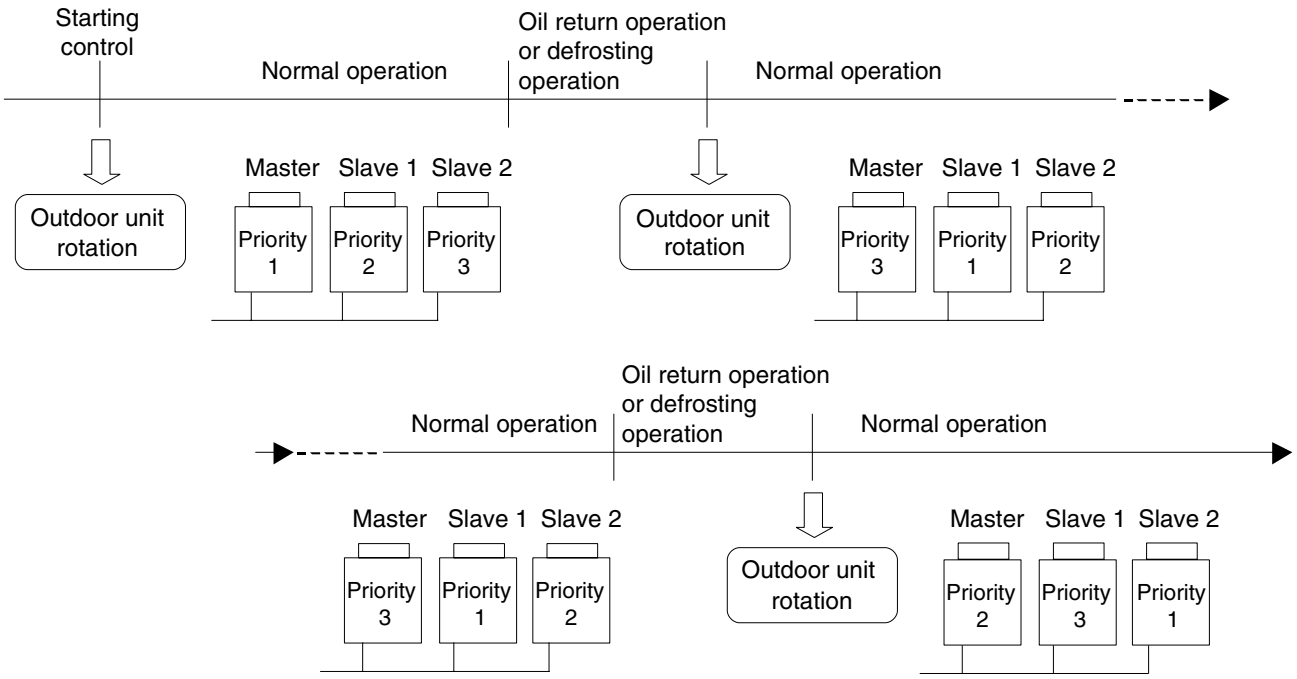
[Details of outdoor unit rotation]

In the case of multi-outdoor-unit system, each outdoor unit is given an operating priority for the control.
Outdoor unit rotation makes it possible to change the operating priority of outdoor units.
Thus, the system becomes free of compressors that stop over an extended period of time at the time of partial loading, preventing unbalanced oil level.

[Timing of outdoor unit rotation]

or
- After oil return operation
- After defrosting operation
- At the beginning of the starting control

Example) The following diagram shows outdoor unit rotation in combination of 3 outdoor units.



* "Master unit", "slave unit 1" and "slave unit 2" in this section are the names for installation. They are determined in installation work, and not changed thereafter. (These names are different from "master unit" and "slave unit" for control.)
The outdoor unit connected the control wires (F1 and F2) for the indoor unit should be designated as master unit
Consequently, The LED display on the main PCB for "master unit", "slave unit 1" and "slave unit 2" do not change. (Refer to the page 90.)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

5.2 Emergency Operation

If the compressor cannot operate, this control inhibits any applicable compressor or outdoor unit from operating to perform emergency operation only with the operative compressor or outdoor unit.

Caution

"For making a compressor unable to operate due to malfunction, etc., be sure to conduct the work with emergency operation setting.
Never execute work such as disconnection of the power cable from magnet contactor. (Otherwise, other normal compressors may malfunction.)
∗ Because the units will be operated in the combination with which oil pressure equalization between compressors cannot be performed.

5.2.1 Restrictions for Emergency Operation

- In the case of system with 1 outdoor unit installed, only when thermostats of indoor units having a capacity of 50% or more of the outdoor unit capacity turn ON, the emergency operation is functional. (If the total capacity of indoor units with thermostat ON is small, the outdoor unit cannot operate.)
- If the emergency operation is set while the outdoor unit is in operation, the outdoor unit stops once after pump-down residual operation (a maximum of 5 minutes elapsed).

5.2.2 In the Case of 1-Outdoor-Unit System (RX(Y)8 to 16M)

- Emergency operation with settings in service mode

∗ "Inhibition of operation" is set with each compressor.

- To inhibit INV compressor from operating → Set setting mode 2 from No. 0 to No. 2.

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P

(Procedure)

(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●●	
(2) Press the RETURN button (BS3) once.	○●●●●●◑	(Factory set)
(3) Press the SET button (BS2) once.	○●●●●◑●	
(4) Press the RETURN button (BS3) twice.	○●●●●●●	
(5) Press the MODE button (BS1) once.	●●○●●●●	

- To inhibit STD1 and STD2 compressors from operating → Set setting mode 2 from No. 19 to No. 2. (RX(Y)8M to RX(Y)16M)

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P

(Procedure)

(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●●	
(2) Press the SET button (BS2) 19 times.	○●○●●○○	
(3) Press the RETURN button (BS3) once.	○●●●●●◑	(Factory set)
(4) Press the SET button (BS2) once.	○●●●●◑●	
(5) Press the RETURN button (BS3) twice.	○●●●●●●	
(6) Press the MODE button (BS1) once.	●●○●●●●	

- To inhibit STD2 compressor from operating → Set setting mode 2 from No. 19 to No.3.(RX(Y)14M·16M)

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P

(Procedure)

(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●●	
(2) Press the SET button (BS2) 19 times.	○●○●●○○	
(3) Press the RETURN button (BS3) once.	○●●●●●◑	(Factory set)
(4) Press the SET button (BS2) twice.	○●●●●◑◑	
(5) Press the RETURN button (BS3) twice.	○●●●●●●	
(6) Press the MODE button (BS1) once.	●●○●●●●	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

- With RX(Y)14M and 16M, if INV compressor is inhibited from operating, only 1 STD compressor can operate for reasons of oil equalization.
- With RX(Y)14M and 16M, STD1 compressor cannot be inhibited from operating for reasons of oil equalization.
- When 1 outdoor unit is installed (with RX (Y) 8M to 16M), automatic backup operation cannot be performed.

5.2.3 In The Case of Multi-Outdoor-Unit System (RX(Y)18 to 48M)

Automatic backup operation
With multi-outdoor-unit system, if a certain outdoor unit system malfunctions (i.e., the system stops and indoor unit remote controller displays the malfunction), by resetting the system with the indoor unit remote controller, the applicable outdoor unit is inhibited from operating for 8 hours, thus making it possible to perform emergency operation automatically.
However, in the event any of the following malfunctions occurs, automatic backup operation can be performed.

Malfunctions under which automatic backup operation can be performed:

- E3, E4, E5, E7
- F3
- H7, H9
- J2, J3, J5, J6, J7, J9, JA, JC
- L3, L4, L5, L8, L9, LC
- U2, UJ

Emergency operation with settings in service mode

* "Inhibition of operation" is set with each outdoor unit.

Make the following settings with the master unit. (Setting with the slave unit becomes disabled.)

* Discriminate the operating status of the master unit/slave units through the following LED display.

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P H8P

Master:	●●○●●●●	○
Slave 1:	●●●●●●●	◑
Slave 2:	●●●●●●●	●

(Factory set)

- To inhibit the master unit from operating → Set setting mode 2 from No. 38 to No. 2.

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P

(Procedure)

(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●●	
(2) Press the SET button (BS2) 38 times.	○○●●○○●	
(3) Press the RETURN button (BS3) once.	○●●●●●◑	(Factory set)
(4) Press the SET button (BS2) once.	○●●●●◑●	
(5) Press the RETURN button (BS3) twice.	○●●●●●●	
(6) Press the MODE button (BS1) once.	●●○●●●●	

- To inhibit the slave unit 1 from operating → Set setting mode 2 from No. 39 to No. 2.

LED display (○:ON ●:OFF ◑:Blink)
H1P — — — H7P

(Procedure)

(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●●	
(2) Press the SET button (BS2) 39 times.	○○●●○○○	
(3) Press the RETURN button (BS3) once.	○●●●●●◑	(Factory set)
(4) Press the SET button (BS2) once.	○●●●●◑●	
(5) Press the RETURN button (BS3) twice.	○●●●●●●	
(6) Press the MODE button (BS1) once.	●●○●●●●	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

• To inhibit the slave unit 2 from operating → Set setting mode 2 from No. 40 to No. 2.

(Procedure)

	LED display (○:ON ●:OFF ◑:Blink) H1P — — — H7P	
(1) Press and hold the MODE button (BS1) for 5 sec. or more.	○●●●●●	
(2) Press the SET button (BS2) 40 times.	○○●○●●	
(3) Press the RETURN button (BS3) once.	○●●●●◑	(Factory set)
(4) Press the SET button (BS2) once.	○●●●◑●	
(5) Press the RETURN button (BS3) twice.	○●●●●●	
(6) Press the MODE button (BS1) once.	●●○●●●	

*

• In the case of multi-outdoor-unit system, “Inhibition of operation” is not set with each compressor individually.

• In the case of multi-outdoor-unit system, when the above “Inhibition of operation” is set, outdoor unit rotation is not functional.

Note : Reset the power supply during the outdoor unit is stopping to cancel the automatic backup operation forcibly.

5.3 Demand Operation

In order to save the power consumption, the capacity of outdoor unit is saved with control forcibly by using “Demand 1 Setting” or “Demand 2 Setting”.
To operate the unit with this mode, additional setting of “Continuous Demand Setting” or external input by external control adapter is required.

[Demand 1 setting]

Setting	Standard for upper limit of power consumption
Demand 1 setting 1	Approx. 60%
Demand 1 setting 2 (factory setting)	Approx. 70%
Demand 1 setting 3	Approx. 80%

[Demand 2 setting]

Setting	Standard for upper limit of power consumption
Demand 2 setting 2 (factory setting)	Approx. 40%

★ Other protection control functions have precedence over the above operation.

5.4 Heating operation prohibition

Heating operation is prohibited above 25°C ambient temperature.

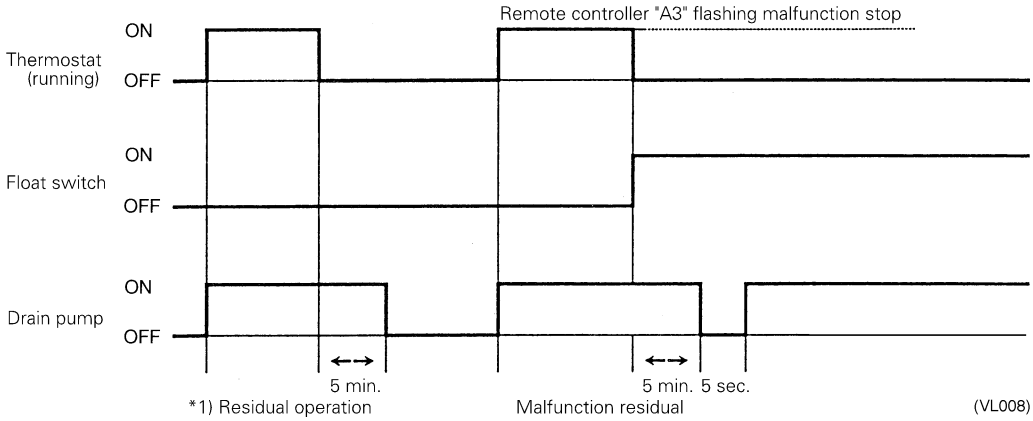
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6. Outline of Control (Indoor Unit)

6.1 Drain Pump Control

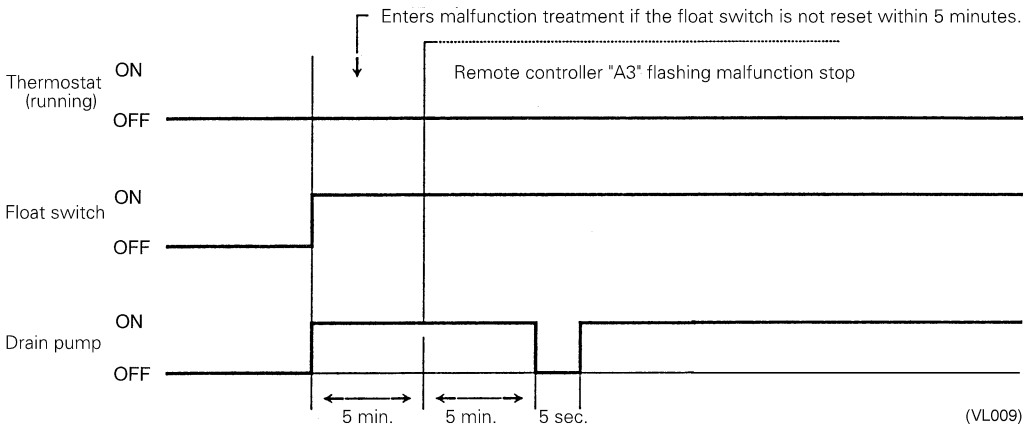
1. The drain pump is controlled by the ON/OFF buttons (4 button (1) - (4) given in the figure below).

6.1.1 When the Float Switch is Tripped While the Cooling Thermostat is ON:



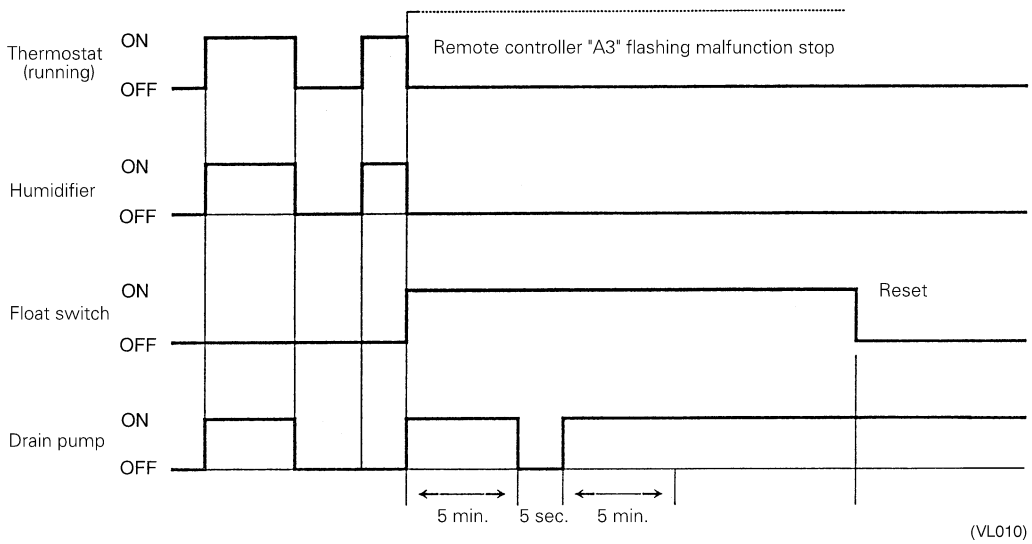
∗ 1. The objective of residual operation is to completely drain any moisture adhering to the fin of the indoor unit heat exchanger when the thermostat goes off during cooling operation.

6.1.2 When the Float Switch is Tripped During Cooling OFF by Thermostat:



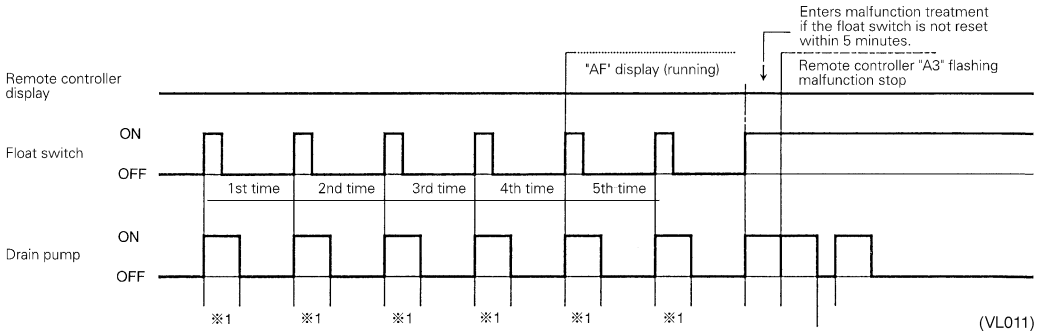
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.1.3 When the Float Switch is Tripped During Heating Operation:



During heating operation, if the float switch is not reset even after the 5 minutes operation, 5 seconds stop, 5 minutes operation cycle ends, operation continues until the switch is reset.

6.1.4 When the Float Switch is Tripped and "AF" is Displayed on the Remote Controller:

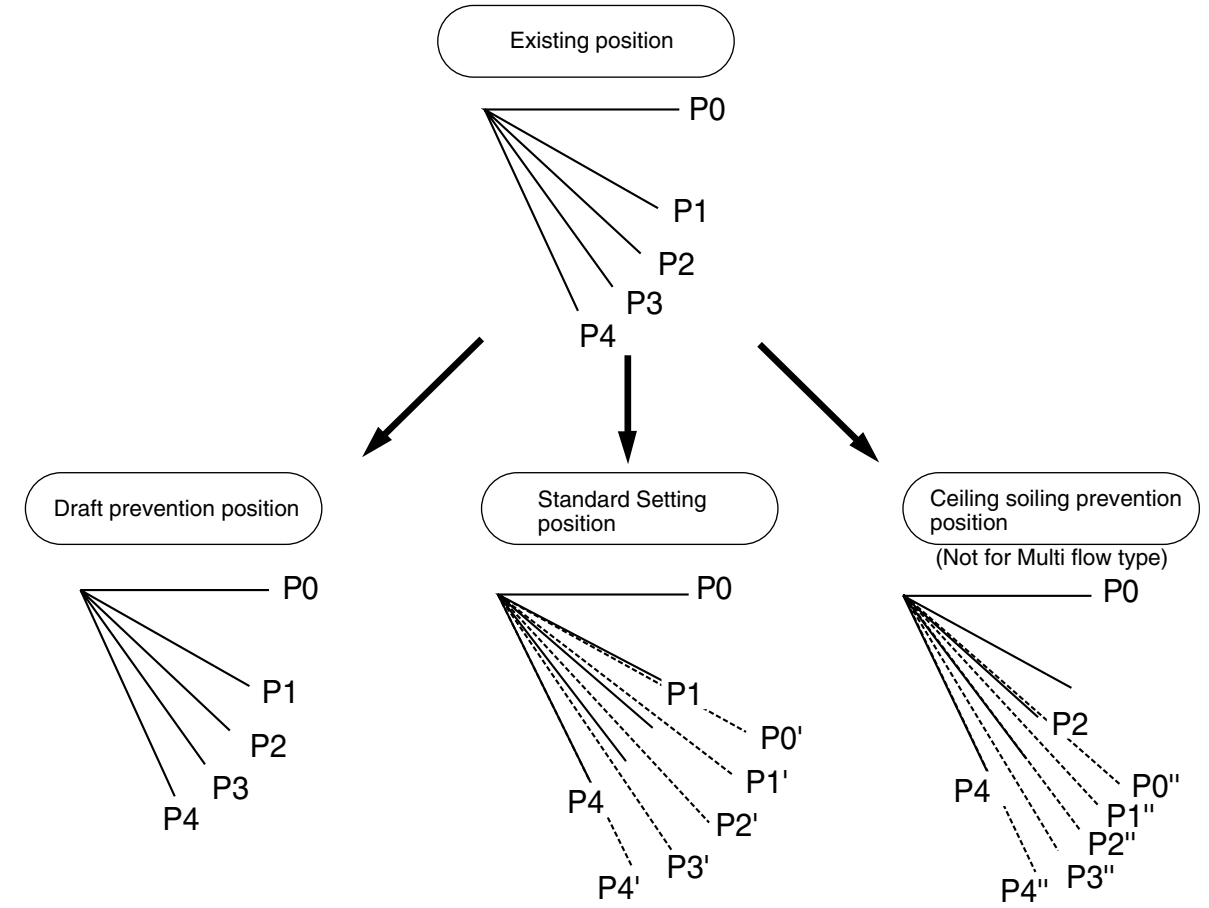


Note: If the float switch is tripped five times in succession, a drain malfunction is determined to have occurred. "AF" is then displayed as operation continues.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.2 Louver Control for Preventing Ceiling Dirt

We have added a control feature that allows you to select the range of in which air direction can be adjusted in order to prevent the ceiling surrounding the air discharge outlet of ceiling mounted cassette type units from being soiled. (This feature is available on double flow, multi-flow and corner types.)



Draft prevention position	P0	P1	P2	P3	P4	Same as existing position
		Range of direction adjustment				
Standard position	Prohibited	P0'	P1'	P2'	P3'	P4'	Separated into 5 positions (P1 - 4)
		Range of direction adjustment				
Dirt prevention position	Prohibited	P0"	P1"	P2"	P3"	P4"	Separated into 5 positions (P2 - 4)

The factory set position is standard position.

(VL012)

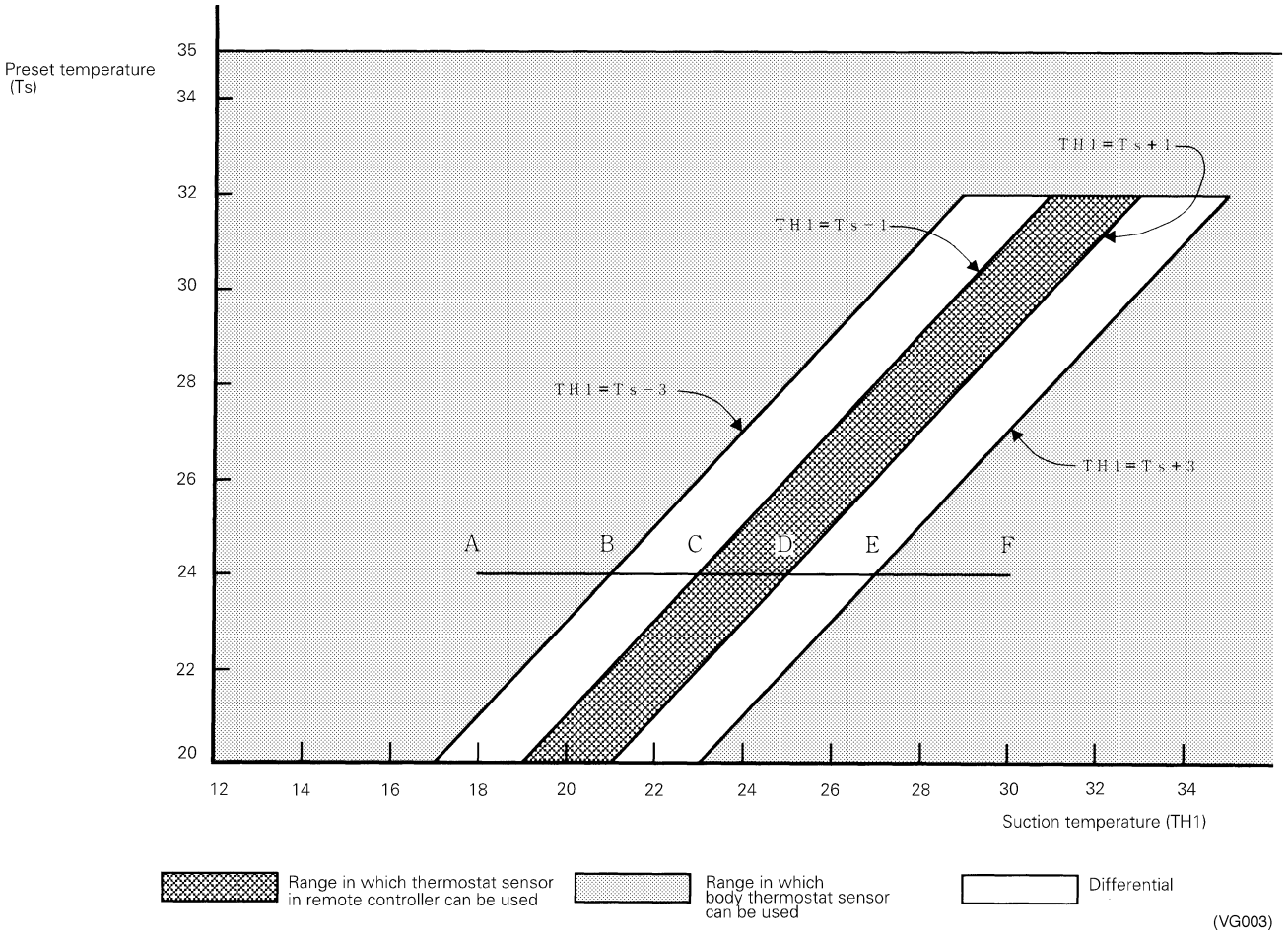
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.3 Thermostat Sensor in Remote Controller

Temperature is controlled by both the thermostat sensor in remote controller and air suction thermostat in the indoor unit. (This is however limited to when the field setting for the thermostat sensor in remote controller is set to “Use.”)

Cooling

If there is a significant difference in the preset temperature and the suction temperature, fine adjustment control is carried out using a body thermostat sensor, or using the sensor in the remote controller near the position of the user when the suction temperature is near the preset temperature.



■ **Ex: When cooling**

Assuming the preset temperature in the figure above is 24°C, and the suction temperature has changed from 18°C to 30°C (A → F):

(This example also assumes there are several other air conditioners, the VRV system is off, and that temperature changes even when the thermostat sensor is off.)

Body thermostat sensor is used for temperatures from 18°C to 23°C (A → C).

Remote controller thermostat sensor is used for temperatures from 23°C to 27°C (C → E).

Body thermostat sensor is used for temperatures from 27°C to 30°C (E → F).

And, assuming suction temperature has changed from 30°C to 18°C (F → A):

Body thermostat sensor is used for temperatures from 30°C to 25°C (F → D).

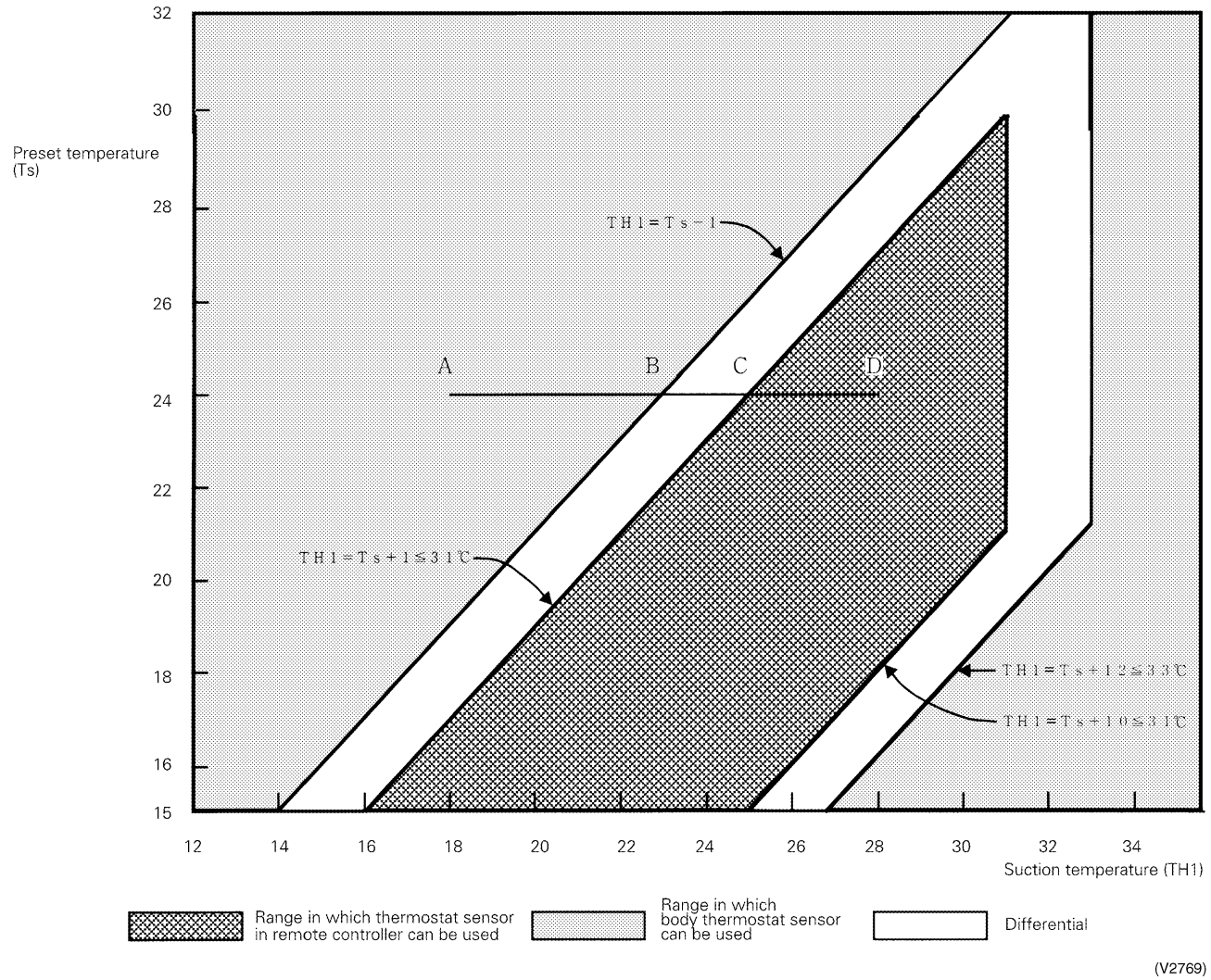
Remote controller thermostat sensor is used for temperatures from 25°C to 21°C (D → B).

Body thermostat sensor is used for temperatures from 21°C to 18°C (B → A).

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Heating

When heating, the hot air rises to the top of the room, resulting in the temperature being lower near the floor where the occupants are. When controlling by body thermostat sensor only, the unit may therefore be turned off by the thermostat before the lower part of the room reaches the preset temperature. The temperature can be controlled so the lower part of the room where the occupants are doesn't become cold by widening the range in which thermostat sensor in remote controller can be used so that suction temperature is higher than the preset temperature.



■ **Ex: When heating**

Assuming the preset temperature in the figure above is 24°C, and the suction temperature has changed from 18°C to 28°C (A → D):

(This example also assumes there are several other air conditioners, the VRV system is off, and that temperature changes even when the thermostat sensor is off.)

Body thermostat sensor is used for temperatures from 18°C to 25°C (A → C).

Remote controller thermostat sensor is used for temperatures from 25°C to 28°C (C → D).

And, assuming suction temperature has changed from 28°C to 18°C (D → A):

Remote controller thermostat sensor is used for temperatures from 28°C to 23°C (D → B).

Body thermostat sensor is used for temperatures from 23°C to 18°C (B → A).

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

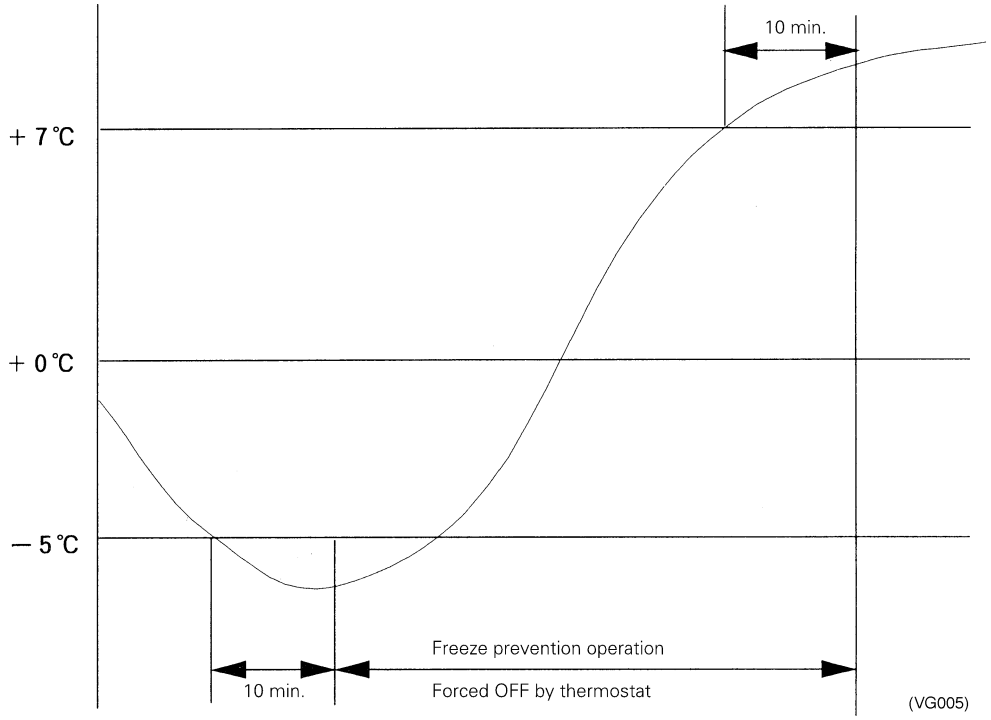
6.4 Freeze Prevention

Freeze Prevention by Off Cycle (Indoor Unit)

When the temperature detected by liquid pipe temperature thermistor (R2T) of the indoor unit heat exchanger drops too low, the unit enters freeze prevention operation in accordance with the following conditions, and is also set in accordance with the conditions given below.

Conditions for starting freeze prevention: Temperature is -1°C or less for total of 40 min., or temperature is -5°C or less for total of 10 min.
Conditions for stopping freeze prevention: Temperature is +7°C or more for 10 min. continuously

Ex: Case where temperature is -5°C or less for total of 10 min.



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Part 5
Test Operation

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Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Test Operation

1.1 Procedure and Outline

Follow the following procedure to conduct the initial test operation after installation.

1.1.1 Check work prior to turn power supply on

Check the below items.
- Power wiring
- Control transmission wiring between units
- Earth wire

⇩

Check on refrigerant piping

⇩

Check on amount of refrigerant charge

○ Is the wiring performed as specified?
○ Are the designated wires used?
○ Is the grounding work completed?
Use a 500V megger tester to measure the insulation.
- Do not use a megger tester for other circuits than 200V (or 240v) circuit.

○ Are the setscrews of wiring not loose?

○ Is pipe size proper? (The design pressure of this product is 3.8MPa.)
○ Are pipe insulation materials installed securely?
Liquid and gas pipes need to be insulated. (Otherwise causes water leak.)
○ Are respective stop valves on liquid, gas and oil equalizing lines securely open?

○ Is refrigerant charged up to the specified amount?
If insufficient, charge the refrigerant from the service port of stop valve on the liquid side with outdoor unit in stop mode after turning power on.
○ Has the amount of refrigerant charge been recorded on “Record Chart of Additional Refrigerant Charge Amount”?

(V3055)

1.1.2 Turn power on

Turn outdoor unit power on.

⇩

Carry out field setting on outdoor PC board

⇩

Turn indoor unit power on.

○ Be sure to turn the power on 6 hours before starting operation to protect compressors. (to power on clankcase heater)

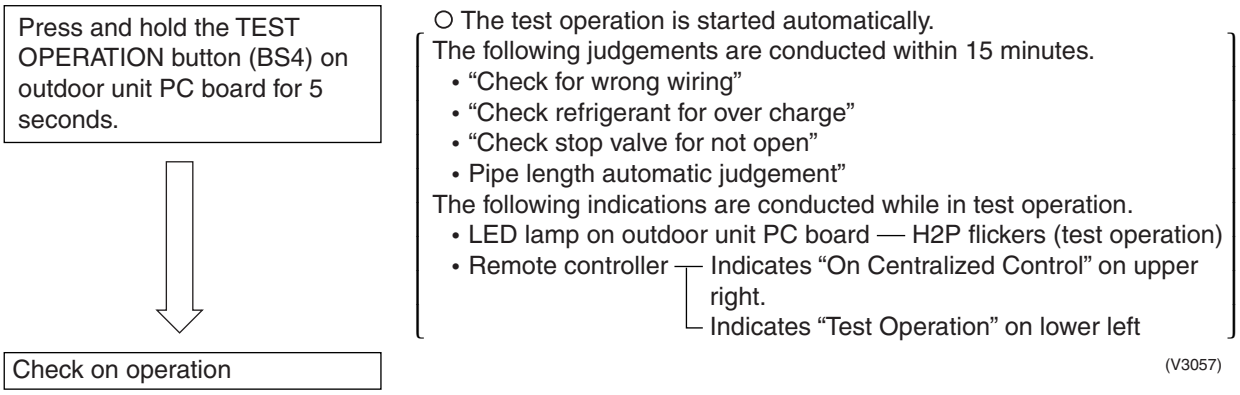
○ For field settings, refer to “Field Settings” on and after P95.
After the completion of field settings, set to “Setting mode 1”.

(V3056)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.1.3 Check Operation

* During check operation, mount front panel to avoid the misjudging.
* Check operation is mandatory for normal unit operation.
  (When the check operation is not executed, alarm code "U3" will be displayed.)


Press and hold the TEST OPERATION button (BS4) on outdoor unit PC board for 5 seconds.
Check on operation
○ The test operation is started automatically.
The following judgements are conducted within 15 minutes.
• "Check for wrong wiring"
• "Check refrigerant for over charge"
• "Check stop valve for not open"
• Pipe length automatic judgement"
The following indications are conducted while in test operation.
• LED lamp on outdoor unit PC board — H2P flickers (test operation)
• Remote controller — Indicates "On Centralized Control" on upper right.
Indicates "Test Operation" on lower left
(V3057)

On completion of test operation, LED on outdoor unit PC board displays the following.
H3P ON: Normal completion
H2P and H3P ON: Abnormal completion →Check the indoor unit remote controller for abnormal display and correct it.

In the case of multi-outdoor-unit system, make setting on the master unit PC board. (Setting with the slave unit is disabled.)
[LED display in the case of multi-outdoor-unit system] (Same as that in emergency operation)

* Discriminate the operating status of the master unit/slave units through the following LED display.

LED display (○:ON ●:OFF ◑:Blink)

	H1P			H7P	H8P
Master:	●	●	○	●	○
Slave 1:	●	●	●	●	◑
Slave 2:	●	●	●	●	●

(Factory set)

Malfunction code
In case of an alarm code displayed on remote controller:

Cause of trouble due to faulty installation work	Alarm code	Countermeasure
Closed stop valve of outdoor unit	E3 E4 F3 UF	In case of RX(Y)5 to 16M (Single outdoor installation) Liquid side stop valve : Open Gas side stop valve : Open Oil equalizing pipe stop valve : Close In case of RX(Y)18 to 48M (Multi outdoor installation) Liquid side stop valve : Open Gas side stop valve : Open Oil equalizing pipe stop valve : Open
Reversed phase in power cable connection for outdoor unit	U1	Change connection of two wires among three for correct phasing.
Electric power for outdoor or indoor unit is not supplied. (Including open phase)	U4	Check that the power cable for outdoor unit is connected properly.
Incorrect wiring between units	UF	Check that the wiring between units corresponds correctly to refrigerant piping system.
Refrigerant overcharge	E3 F6 UF	Compute again optimum amount of refrigerant to be added based on the piping length, then, collect the excessive amount by using refrigerant collector to make the refrigerant amount proper.
Insufficient refrigerant	E4 F3	- Check that additional charging has been carried out. - Compute again the refrigerant amount to be added based on the piping length, and charge proper amount of refrigerant additionally.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.1.4 Confirmation on normal operation

- Conduct normal unit operation after the check operation has been completed.
  (When outdoor air temperature is 25°C or higher, the unit can not be operated with heating mode. See the instruction manual attached.)
  Confirm that the indoor/outdoor units can be operated normally.
  (When an abnormal noise due to liquid compression by the compressor can be heard, stop the unit immediately, and turn on the crankcase heater to heat up it sufficiently, then start operation again.)
- Operate indoor unit one by one to check that the corresponding outdoor unit operates.
- Confirm that the indoor unit discharges cold air (or warm air).
- Operate the air direction control button and flow rate control button to check the function of the devices.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.2 Operation When Power is Turned On

1.2.1 When Turning On Power First Time

The unit cannot be run for up to 12 minutes to automatically set the master power and address (indoor-outdoor address, etc.).

Status

Outdoor unit	Test lamp H2P .... Blinks Can also be set during operation described above.
Indoor unit	If ON button is pushed during operation described above, the “UH” malfunction indicator blinks. (Returns to normal when automatic setting is complete.)

1.2.2 When Turning On Power The Second Time and Subsequent

Tap the RESET button on the outdoor unit PC board. Operation becomes possible for about 2 minutes. If you do not push the RESET button, the unit cannot be run for up to 10 minutes to automatically set master power.

Status

Outdoor unit	Test lamp H2P .... Blinks Can also be set during operation described above.
Indoor unit	If ON button is pushed during operation described above, the operation lamp lights but the compressor does not operate. (Returns to normal when automatic setting is complete.)

1.2.3 When an Indoor Unit or Outdoor unit Has Been Added, or Indoor or Outdoor Unit PC Board Has Been Changed

Be sure to push and hold the RESET button for 5 seconds. If not, the addition cannot be recognized. In this case, the unit cannot be run for up to 12 minutes to automatically set the address (indoor-outdoor address, etc.)

Status

Outdoor unit	Test lamp H2P .... ON Can also be set during operation described above.
Indoor unit	If ON button is pushed during operation described above, the “UH” or “U4” malfunction indicator blinks. (Returns to normal when automatic setting is complete.)

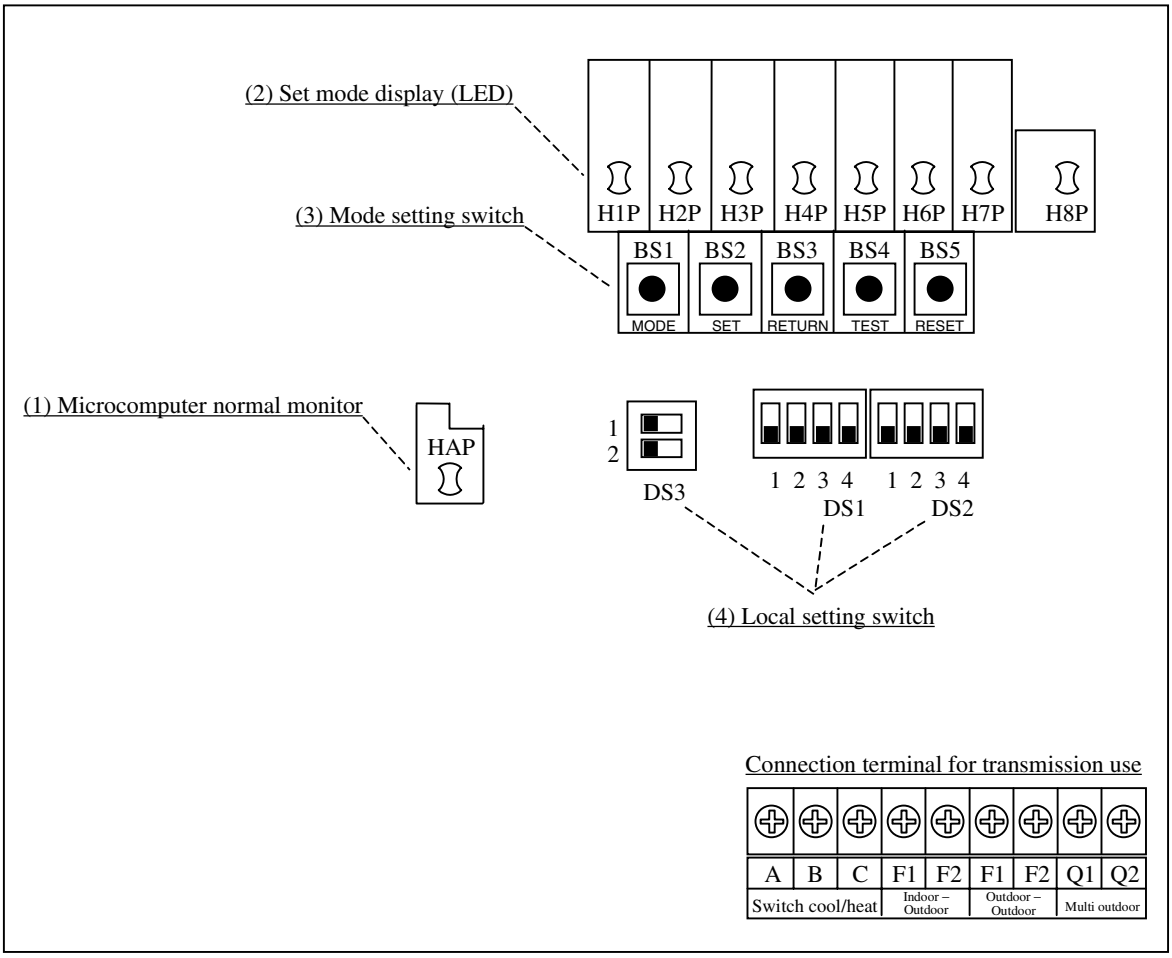
Caution When the 400 volt power supply is applyed to "N" phase by mistake, replace Inverter P.C.B (A2P) and control transformer (T1R, T2R) in switch box together.

(V0847)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2. Outdoor Unit PC Board Layout

Outdoor unit PC board



(V3054)

(1) Microcomputer normal monitor
This monitor blinks while in normal operation, and turns on or off when a malfunction occurs.

(2) Set mode display (LED)
LEDs display mode according to the setting.

(3) Mode setting switch
Used to change mode.

(4) Local setting switch
Used to make local settings.

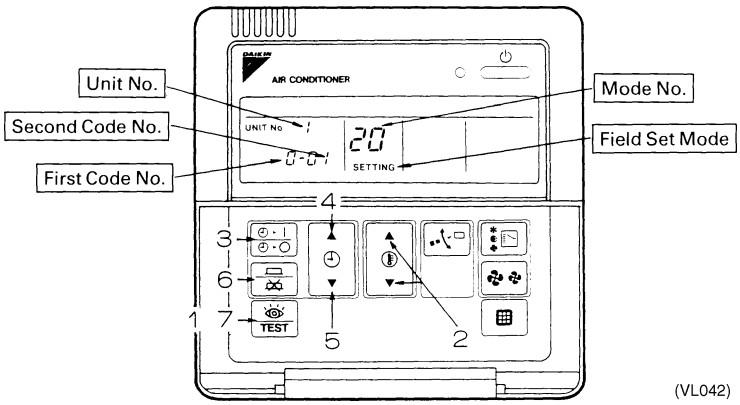
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. Field Setting

3.1 Field Setting from Remote Controller

Individual function of indoor unit can be changed from the remote controller. At the time of installation or after service inspection / repair, make the local setting in accordance with the following description.
Wrong setting may cause malfunction.
(When optional accessory is mounted on the indoor unit, setting for the indoor unit may be required to change. Refer to information in the option handbook.)

3.1.1 Wired Remote Controller <BRC1A61, 62>



(VL042)

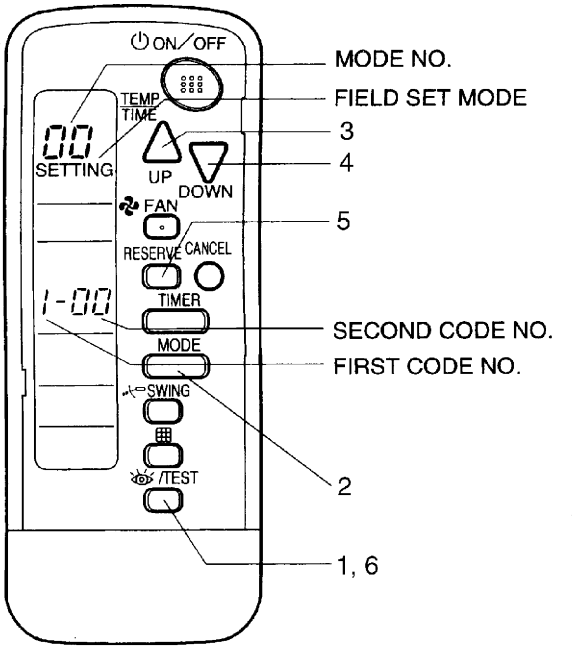
1. When in the normal mode, push the TEST button for 4 seconds or more, and operation then enters the “field set mode.”
2. Select the desired “mode No.” with the button.
3. During group control and you want to set by each individual indoor unit (when mode No. 20, 21, 22, 23, 25 has been selected), push the time mode button and select the “indoor unit No.” to be set.
   Note: This operation is not required when setting as a group.
4. Push the button and select the first code No.
5. Push the button and select the second code No.
6. Push the timer button one time and “define” the currently set contents.
7. Push the TEST button to return to the normal mode.

(Example)
When setting the filter sign time to “Filter Dirtiness-High” in all group unit setting, set the Mode No. to “10”, Mode setting No. to “0” and setting position No. to “02”.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.2 Wireless Remote Controller - Indoor Unit

BRC7C type



(V2770)

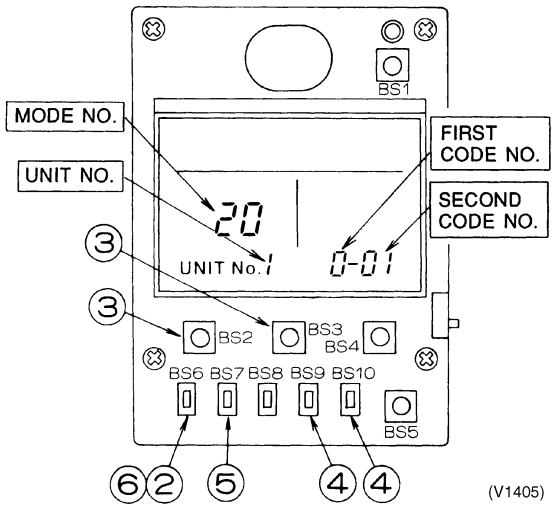
1. When in the normal mode, push the /TEST button for 4 seconds or more, and operation then enters the “field set mode.”
2. Select the desired “mode No.” with the MODE button.
3. Pushing the UP button, select the first code No.
4. Pushing the DOWN button, select the second code No.
5. Push the timer RESERVE button and check the settings.
6. Push the /TEST button to return to the normal mode.

(Example)
When setting the filter sign time to “Filter Dirtiness-High” in all group unit setting, set the Mode No. to “10”, Mode setting No. to “0” and setting position No. to “02”.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.3 Simplified Remote Controller

BRC2A51



■ Group No. setting by simplified remote controller.

1. Remove the cover of remote controller.
2. While in normal mode, press the [BS6] BUTTON (field set) to enter the FIELD SET MODE.
3. Select the mode No. [00] with [BS2] BUTTON (temperature setting ▲) and [BS3] BUTTON (temperature setting ▼).
4. Select the group No. with [BS9] BUTTON (set A) and [BS10] BUTTON (set B). (Group Nos. increase in the order of 1-00, 1-01.....1-15, 2-00,.....4-15. However, the unified ON/OFF controller displays only group No. set within the range of control.)
5. Press [BS7] BUTTON (set/cancel) to set group No.
6. Press [BS6] BUTTON (field set) to return to the NORMAL MODE.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.4 Setting Contents and Code No. – VRV Unit

VRV system indoor unit settings	Mode No. Note 2	Setting Switch No.	Setting Contents		Second Code No.(Note 3)							
					01		02		03		04	
	10(20)	0	Filter contamination heavy/ light (Setting for display time to clean air filter) (Sets display time to clean air filter to half when there is heavy filter contamination.)	Super long life filter	Light	Approx. 10,000 hrs.	Heavy	Approx. 5,000 hrs.	—		—	
				Long life filter		Approx. 2,500 hrs.		Approx. 1,250 hrs.				
				Standard filter		Approx. 200 hrs.		Approx. 100 hrs.				
		1	Long life filter type		Long life filter		Super long life filter		—		—	
		2	Thermostat sensor in remote controller		Use		No use		—			
		3	Display time to clean air filter calculation (Set when filter sign is not to be displayed.)		Display		No display		—			
	12(22)	0	Optional accessories output selection (field selection of output for adaptor for wiring)		Indoor unit turned ON by thermostat				Operation output		Malfunction output	
		1	ON/OFF input from outside (Set when ON/OFF is to be controlled from outside.)		Forced OFF		ON/OFF control		—		—	
		2	Thermostat differential changeover (Set when remote sensor is to be used.)		1°C		0.5°C		—		—	
		3	OFF by thermostat fan speed		LL		Set fan speed		—		—	
		4	Automatic mode differential (automatic temperature differential setting for VRV system heat recovery series cool/heat)		01:0	02:1	03:2	04:3	05:4	06:5	07:6	08:7
		5	Power failure automatic reset		Not equipped		Equipped		—		—	
	13(23)	0	High air outlet velocity (Set when installed in place with ceiling higher than 2.7 m.)		N		H		S		—	
		1	Selection of air flow direction (Set when a blocking pad kit has been installed.)		F (4 directions)		T (3 directions)		W (2 directions)		—	
		3	Air flow direction adjustment (Set at installation of decoration panel.)		Equipped		Not equipped				—	
		4	Field set air flow position setting		Draft prevention		Standard		Ceiling Soiling prevention		—	
		5	Field set fan speed selection (fan speed control by air discharge outlet for phase control)		Standard		Optional accessory 1		Optional accessory 2		—	
	15(25)	1	Thermostat OFF excess humidity		Not equipped		Equipped		—		—	
		2	Direct duct connection (when the indoor unit and heat reclaim ventilation unit are connected by duct directly.) ∗Note 6		Not equipped		Equipped		—		—	
		3	Drain pump humidifier interlock selection		Not equipped		Equipped		—		—	
		5	Field set selection for individual ventilation setting by remote controller		Not equipped		Equipped		—		—	
		6	Field set selection for individual ventilation setting by remote controller		Not equipped		Equipped		—		—	

Notes:

1. Settings are made simultaneously for the entire group, however, if you select the mode No. inside parentheses, you can also set by each individual unit. Setting changes however cannot be checked except in the individual mode for those in parentheses.
2. The mode numbers inside parentheses cannot be used by wireless remote controllers, so they cannot be set individually. Setting changes also cannot be checked.
3. Marked ▭ are factory set.
4. Do not make settings other than those described above. Nothing is displayed for functions the indoor unit is not equipped with.
5. “88” may be displayed to indicate the remote controller is resetting when returning to the normal mode.
6. If the setting mode to “Equipped”, heat reclaim ventilation fan conducts the fan residual operation by linking to indoor unit.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.5 Applicable range of Field setting

	Ceiling mounted cassette type			Ceiling mounted built-in type	Ceiling mounted duct type	Ceiling suspended type	Wall mounted type	Floor standing type	Concealed Floor standing type	Ceiling mounted built-in (Rear suction type)	Ceiling mounted low silhouette duct type
	Multi flow	Double flow	Corner type								
	FXF	FXC	FXK	FXS	FXM	FXH	FXA	FXL	FXN	FXYB	FXYD
Filter sign	○	○	○	○	○	○	○	○	○	○	○
Ultra long life filter sign	○	○	—	—	—	—	—	—	—	—	—
Remote controller thermostat sensor	○	○	○	○	○	○	○	○	○	○	○
Set fan speed when thermostat OFF	○	○	○	○	○	○	○	○	○	○	○
Air flow adjustment Ceiling height	○	—	—	—	—	○	—	—	—	—	—
Air flow direction	○	—	—	—	—	—	—	—	—	—	—
Air flow direction adjustment (Down flow operation)	—	—	○	—	—	—	—	—	—	—	—
Air flow direction adjustment range	○	○	○	—	—	—	—	—	—	—	—
Field set fan speed selection	○	—	—	—	—	○	—	—	—	—	—

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.6 Detailed Explanation of Setting Modes

Filter Sign Setting

If switching the filter sign ON time, set as given in the table below.

Set Time

Filter Specs. / Setting	Standard	Long Life	Ultra Long Life Filter
Contamination Light	200 hrs.	2,500 hrs.	10,000 hrs.
Contamination Heavy	100 hrs.	1,250 hrs.	5,000 hrs.

Ultra-Long-Life Filter Sign Setting

When a Ultra-long-life filter is installed, the filter sign timer setting must be changed.

Setting Table

Mode No.	Setting Switch No.	Setting Position No.	Setting
10 (20)	1	01	Long-Life Filter
		02	Ultra-Long-Life Filter (1)
		03	—

Fan Speed Changeover When Thermostat is OFF

By setting to “Set Fan Speed,” you can switch the fan speed to the set fan speed when the heating thermostat is OFF.

∗ Since there is concern about draft if using “fan speed up when thermostat is OFF,” you should take the setup location into consideration.

Setting Table

Mode No.	First Code No.	Second Code No.	Setting
12(22)	3	01	LL Fan Speed
		02	Set Fan Speed

Auto restart after power failure reset

For the air conditioners with no setting for the function (same as factory setting), the units will be left in the stop condition when the power supply is reset automatically after power failure reset or the main power supply is turned on again after once turned off. However, for the air conditioners with the setting, the units may start automatically after power failure reset or the main power supply turned on again (return to the same operation condition as that of before power failure).

For the above reasons, when the unit is set enabling to utilize “Auto restart function after power failure reset”, utmost care should be paid for the occurrence of the following situation.

⚠ **Caution**

1. The air conditioner starts operation suddenly after power failure reset or the main power supply turned on again. Consequently, the user might be surprised (with question for the reason why).

2. In the service work, for example, turning off the main power switch during the unit is in operation, and turning on the switch again after the work is completed start the unit operation (the fan rotates).

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Air Flow Adjustment - Ceiling height

Make the following setting according to the ceiling height. The setting position No. is set to “01” at the factory.

■ **In the Case of FXA, FXH**

Mode No.	Setting Switch No.	Setting Position No.	Setting
13(23)	0	01	Wall-mounted type: Standard
		02	Wall-mounted type: Slight increase
		03	Wall-mounted type: Normal increase

■ **In the Case of FXF25~80**

Mode No.	First code No.	Second code No.	Setting	Ceiling height		
				4-way Outlets	3-way Outlets	2-way Outlets
13 (23)	0	01	Standard (N)	Lower than 2.7 m	Lower than 3.0 m	Lower than 3.5 m
		02	High Ceiling (H)	Lower than 3.0 m	Lower than 3.3 m	Lower than 3.8 m
		03	Higher Ceiling (S)	Lower than 3.5 m	Lower than 3.5 m	—

■ **In the Case of FXF100~125**

Mode No.	First code No.	Second code No.	Setting	Ceiling height		
				4-way Outlets	3-way Outlets	2-way Outlets
13 (23)	0	01	Standard (N)	Lower than 3.2 m	Lower than 3.6 m	Lower than 4.2 m
		02	High Ceiling (H)	Lower than 3.6 m	Lower than 4.0 m	Lower than 4.2 m
		03	Higher Ceiling (S)	Lower than 4.2 m	Lower than 4.2 m	—

Air Flow Direction Setting

Set the air flow direction of indoor units as given in the table below. (Set when optional air outlet blocking pad has been installed.) The second code No. is factory set to “01.”

Setting Table

Mode No.	First Code No.	Second Code No.	Setting
13 (23)	1	01	F : 4-direction air flow
		02	T : 3-direction air flow
		03	W : 2-direction air flow

Setting of Air Flow Direction Adjustment

Only the model FXK has the function.

When only the front-flow is used, sets yes/no of the swing flap operation of down-flow.

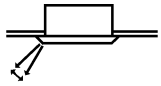
Setting Table

Setting	Mode No.	First Code No.	Second Code No.
Down-flow operation: Yes	13 (23)	3	01
Down-flow operation: No			02

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Setting of Air Flow Direction Adjustment Range

Make the following air flow direction setting according to the respective purpose.



(S2537)

Setting Table

Mode No.	First Code No.	Second Code No.	Setting
13 (23)	4	01	Upward (Draft prevention)
		02	Standard
		03	Downward (Ceiling soiling prevention)

Air flow rate switching at discharge grille for field air flow rate switching

When the optional parts (high performance filter, etc.) is installed, sets to change fan speed for securing air flow rate.

Follow the instruction manual for the optional parts to enter the setting numbers.

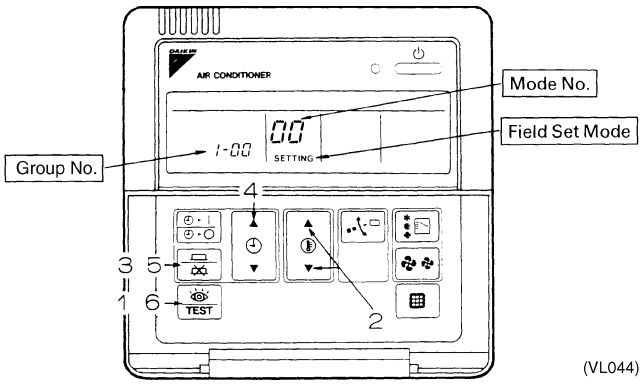
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.7 Centralized Control Group No. Setting

BRC1A Type

- If carrying out centralized control by central remote controller or unified ON/OFF controller, group No. must be set for each group individually by remote controller.
- Group No. setting by remote controller for centralized control

1. When in the normal mode, push the TEST button for 4 seconds or more, and operation then enters the "field setting mode."
2. Set mode No. "00" with the button. *
3. Push the button to inspect the group No. display.
4. Set the group No. for each group with the button (The group No. increases in the manner of 1-00, 1-01, ...,1-15, 2-00,...4-15. However, the unified ON/OFF controller displays only the group No. within the range selected by the switch for setting each address.)
5. Push the timer button to define the selected group No.
6. Push the TEST button to return to the normal mode.



(VL044)

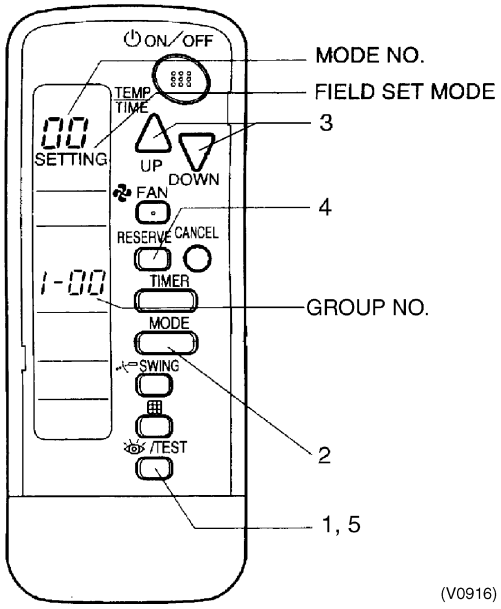
- Even if not using a remote controller, connect the remote controller when setting the group No., set the group No. for centralized control, and disconnect after making the setting.
- Set the group No. after turning on the power supply for the central remote controller, unified ON/OFF controller, and indoor unit.

BRC7C Type

- Group No. setting by wireless remote controller for centralized control

1. When in the normal mode, push /TEST button for 4 seconds or more, and operation then enters the "field set mode."
2. Set mode No. "00" with MODE button.
3. Set the group No. for each group with UP DOWN button (advance/backward).
4. Enter the selected group numbers by pushing RESERVE button.
5. Push /TEST button and return to the normal mode.

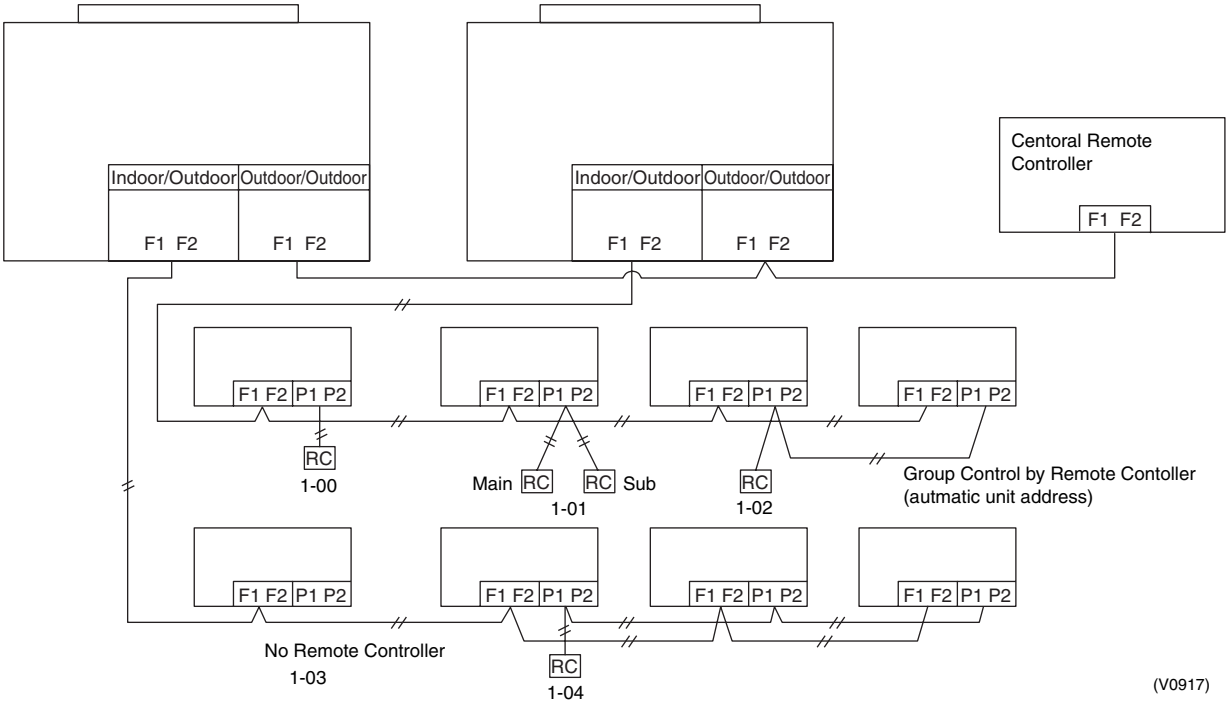
BRC7C Type



(V0916)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Group No. Setting Example



Caution When turning the power supply on, the unit may often not accept any operation while "88" is displaying after all indications were displayed once for about 1 minute on the liquid crystal display. This is not an operative fault.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.8 Setting of Operation Control Mode from Remote Controller (Local Setting)

The operation control mode is compatible with a variety of controls and operations by limiting the functions of the operation remote controller. Furthermore, operations such as remote controller ON/OFF can be limited in accordance with the combination conditions. (Refer to information in the table below.)
Centralized controller is normally available for operations. (Except when centralized monitor is connected)

3.1.9 Contents of Control Modes

Twenty modes consisting of combinations of the following five operation modes with temperature and operation mode setting by remote controller can be set and displayed by operation modes 0 through 19.

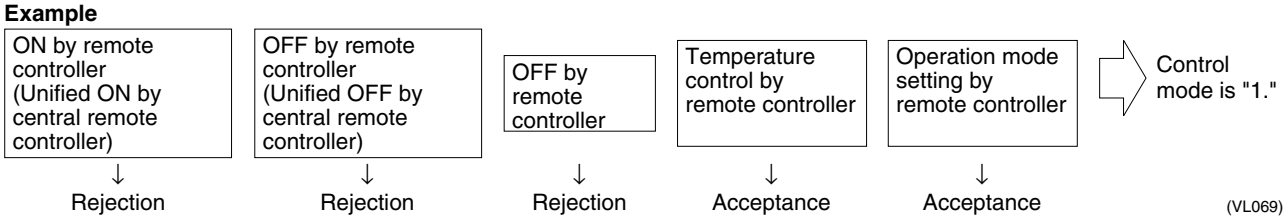
- ON/OFF control impossible by remote controller
  Used when you want to turn on/off by central remote controller only.
  (Cannot be turned on/off by remote controller.)
- OFF control only possible by remote controller
  Used when you want to turn on by central remote controller only, and off by remote controller only.
- Centralized
  Used when you want to turn on by central remote controller only, and turn on/off freely by remote controller during set time.
- Individual
  Used when you want to turn on/off by both central remote controller and remote controller.
- Timer operation possible by remote controller
  Used when you want to turn on/off by remote controller during set time and you do not want to start operation by central remote controller when time of system start is programmed.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

How to Select Operation Mode

Whether operation by remote controller will be possible or not for turning on/off, controlling temperature or setting operation mode is selected and decided by the operation mode given on the right edge of the table below.

Example

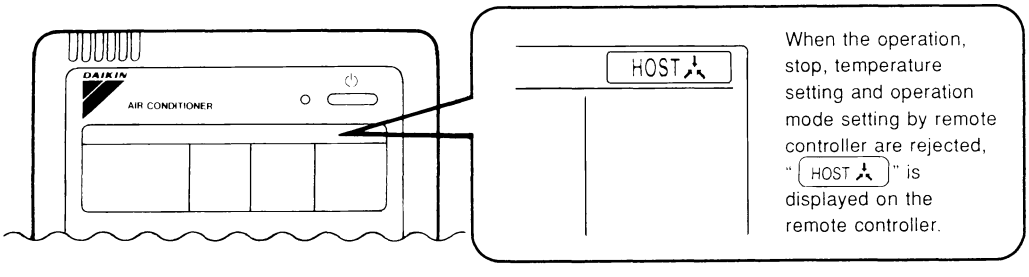

ON by remote controller (Unified ON by central remote controller)
OFF by remote controller (Unified OFF by central remote controller)
OFF by remote controller
Temperature control by remote controller
Operation mode setting by remote controller
Control mode is "1."
↓ Rejection
↓ Rejection
↓ Rejection
↓ Acceptance
↓ Acceptance

(VL069)

Control mode	Control by remote controller					Control mode
	Operation		OFF	Temperature control	Operation mode setting	
	Unified operation, individual operation by central remote controller, or operation controlled by timer	Unified OFF, individual stop by central remote controller, or timer stop				
ON/OFF control impossible by remote controller	Rejection (Example)	Rejection (Example)	Rejection (Example)	Rejection	Acceptance	0
					Rejection	10
				Acceptance (Example)	Acceptance (Example)	1(Example)
					Rejection	11
OFF control only possible by remote controller			Acceptance	Rejection	Acceptance	2
					Rejection	12
				Acceptance	Acceptance	3
					Rejection	13
Centralized	Acceptance			Rejection	Acceptance	4
					Rejection	14
				Acceptance	Acceptance	5
					Rejection	15
Individual		Acceptance		Rejection	Acceptance	6
					Rejection	16
				Acceptance	Acceptance	7 ∗1
					Rejection	17
Timer operation possible by remote controller	Acceptance (During timer at ON position only)	Acceptance (During timer at ON position only)		Rejection	Acceptance	8
					Rejection	18
				Acceptance	Acceptance	9
					Rejection	19

Do not select “timer operation possible by remote controller” if not using a remote controller. Operation by timer is impossible in this case.

∗1. Factory setting


DAIKIN
AIR CONDITIONER
HOST
When the operation, stop, temperature setting and operation mode setting by remote controller are rejected, " HOST " is displayed on the remote controller.

(VL070)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2 Field Setting from Outdoor Unit

3.2.1 Field Setting from Outdoor Unit

■ Setting by dip switches

The following field settings are made by dip switches on PC board.

Dipswitch		Setting item	Description
No.	Setting		
DS1-1	ON	Cool / Heat select	Used to set cool / heat select by remote controller equipped with outdoor unit.
	OFF (Factory set)		
DS1-2 ~DS1-4	ON	Not used	Do not change the factory settings.
	OFF (Factory set)		
DS2-1 ~4	ON	Not used	Do not change the factory settings.
	OFF (Factory set)		
DS3-1, 2	ON	Not used	Do not change the factory settings.
	OFF (Factory set)		

Caution

DIP switch Setting after changing the main P.C.Board(A1P) to spare parts P.C.B.

When you change the main P.C.Board(A1P) to spare parts P.C.B., please carry out the following setting.

DIP Switch Detail

DS No.	Item	Contents	
DS1-1	Cool/Heat change over setting	ON	The Cool/Heat change over setting is carried out by COOL/ HEAT changeover remote controller fitted to outdoor unit.
		OFF	The Cool/Heat change over setting is not carried out by COOL/ HEAT changeover remote controller fitted to outdoor unit.
DS1-2	Domestic/Overseas setting	ON	Domestic Japan
		OFF	Overseas
DS1-3	Cooling only/Heat-pump setting	ON	Cooling only
		OFF	Heat-pump
DS1-4	Not used	OFF	Do not change the factory settings.
DS2-1		OFF	(Refrigerant classification)
DS2-2	HP setting (Horse power)		
DS2-3			
DS2-4			

	5	6	8	10	12	14	16	HP
DS2-2	OFF	ON	OFF	ON	OFF	ON	OFF	
DS2-3	OFF	OFF	ON	ON	OFF	OFF	ON	
DS2-4	OFF	OFF	OFF	OFF	ON	ON	ON	

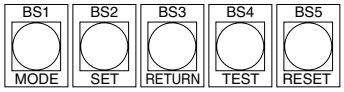
■ Setting by pushbutton switches

The following settings are made by pushbutton switches on PC board.
In case of multi-outdoor unit system, various items should be set with the master unit.
(Setting with the slave unit is disabled.)
The master unit and slave unit can be discriminated with the LED indication as shown below.

	H1P	H2P	H3P	H4P	H5P	H6P	H7P	H8P
Master unit	●	●	○	●	●	●	●	○
Slave unit 1	●	●	●	●	●	●	●	◑
Slave unit 2	●	●	●	●	●	●	●	●

(Factory setting)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html



(V2760)

There are the following three setting modes.

① **Setting mode 1 (H1P off)**

Initial status (when normal) : Used to select the cool/heat setting. Also indicates during "abnormal", "low noise control" and "demand control".

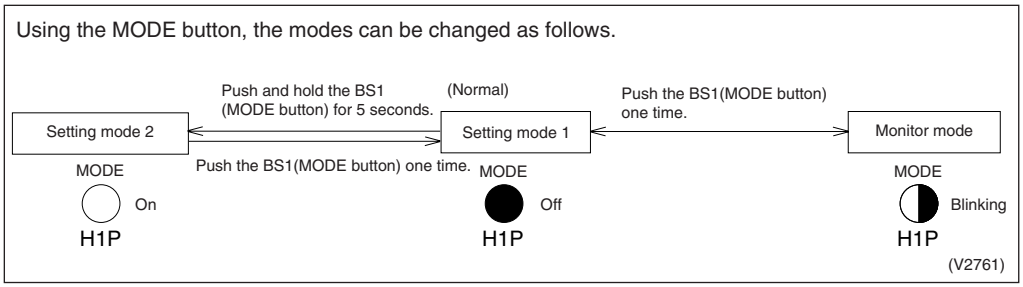
② **Setting mode 2 (H1P on)**

Used to modify the operating status and to set program addresses, etc. Usually used in servicing the system.

③ **Monitor mode (H1P blinks)**

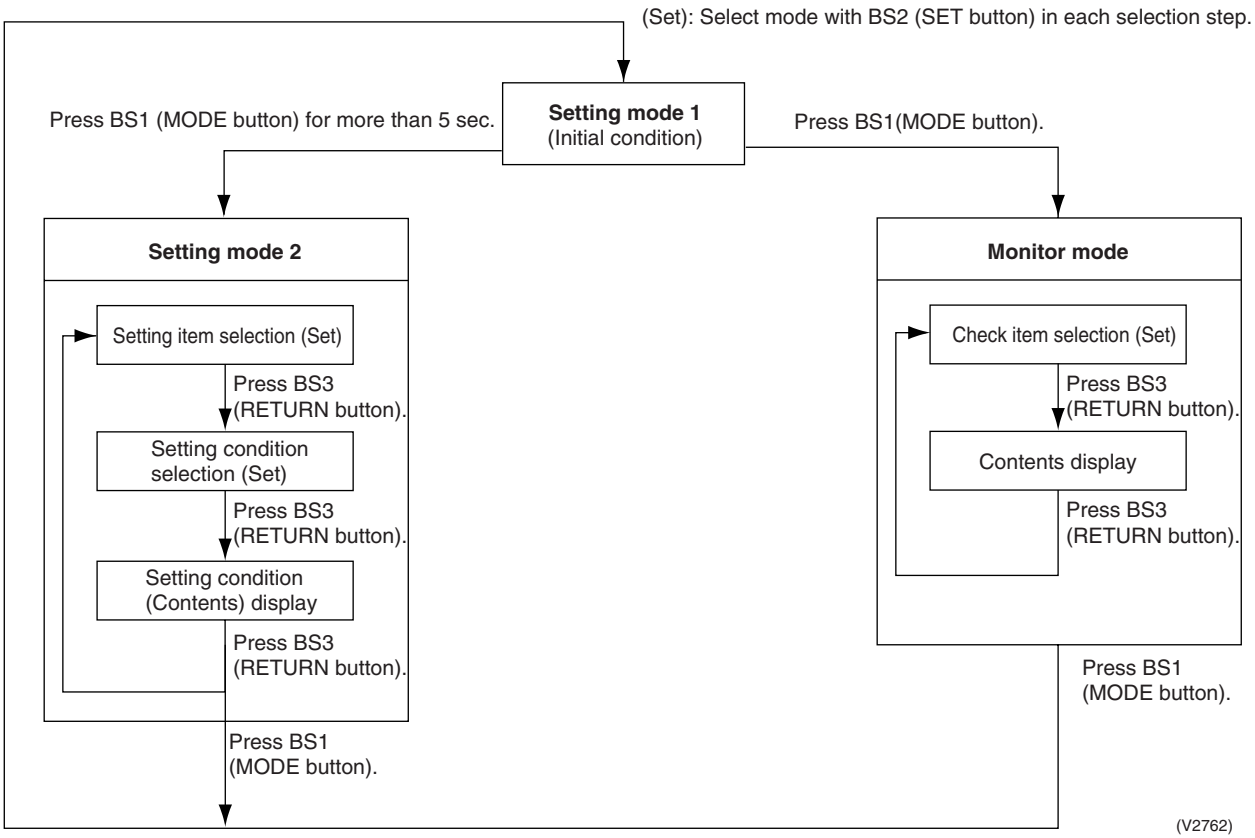
Used to check the program made in Setting mode 2.

■ Mode changing procedure



(V2761)

■ Mode changing procedure


(Set): Select mode with BS2 (SET button) in each selection step.
Press BS1 (MODE button) for more than 5 sec.
Setting mode 1
(Initial condition)
Press BS1(MODE button).
Setting mode 2
Setting item selection (Set)
Press BS3 (RETURN button).
Setting condition selection (Set)
Press BS3 (RETURN button).
Setting condition (Contents) display
Press BS3 (RETURN button).
Press BS1 (MODE button).
Monitor mode
Check item selection (Set)
Press BS3 (RETURN button).
Contents display
Press BS3 (RETURN button).
Press BS1 (MODE button).
(V2762)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

a. “Setting mode 1”

“Normally, “Setting mode 1” is set. In case of other status, push MODE button (BS1) one time and set to “Setting mode 1”.

<Selection of setting items>

Push the SET button (BS2) and set LED display to a setting item you want.

- Regarding setting item No. 1,5,6, only the present status is displayed. For the respective description, refer to the table shown on lower right.
- The cool/heat selection setting can be changed on setting item 2, 3, 4.
  → After setting, push the RETURN button (BS3) and decide the item.

When the RETURN button (BS3) is pushed, the status becomes the initial status of “Setting mode 1”.

(V2763)

No.	Setting (displaying) item	LED display example						
		H1P	H2P	H3P	H4P	H5P	H6P	H7P
1	Display for malfunction / preparing / test run *	●	●	○	●	●	●	●
2	C/H selector (individual)	●	●	○	●	●	●	●
3	C/H selector (Master)	●	●	●	○	●	●	●
4	C/H selector (Slave)	●	●	●	●	○	●	●
5	Low noise operation *	●	●	○	●	●	●	●
6	Demand operation *	●	●	○	●	●	●	●

* Setting No. 1, 5, 6 are the present status display only.

Display for malfunction/preparing/test-run

Normal	●	●	○	●	●	●	●
Malfunction	●	○	○	●	●	●	●
Preparing/Test-run	●	◑	○	●	●	●	●

Display during low noise operation

Normal	●	●	○	●	●	●	●
During low noise operation	●	●	○	●	●	○	●

H3P to H5P LED display changes depending on setting No. 2, 3, 4.

Display during demand operation

Normal	●	●	○	●	●	●	●
During demand operation	●	●	○	●	●	●	○

H3P to H5P LED display changes depending on setting No. 2, 3, 4.

○	: ON
●	: OFF
◑	: Blinking

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

b. “Setting mode 2”

Push and hold the MODE button (BS1) for 5 seconds and set to “Setting mode 2”.

<Selection of setting items>

Push the SET button (BS2) and set the LED display to a setting item shown in the table on the right.
↓
Push the RETURN button (BS3) and decide the item. (The present setting condition is blinked.)

<Selection of setting conditions>

Push the SET button (BS2) and set to the setting condition you want.
↓
Push the RETURN button (BS3) and decide the condition.

Push the RETURN button (BS3) and set to the initial status of “Setting mode 2”.

∗ If you become unsure of how to proceed, push the MODE button (BS1) and return to setting mode 1.

(V2764)

No.	Setting item	Description
0	EMG (Emergency operation 1)	Operates by Standard compressor only when inverter compressor malfunctions. Temporary operation until the compressor is replaced. Since the comfortability is extremely deteriorated, immediately replace the compressor. (This setting is not applicable to RXY5M.)
1	Cool/heat unified address	Sets address for cool/heat unified operation.
2	Low noise/demand address	Address for low noise/demand operation
5	Indoor unit forced fan H	Allows forced operation of indoor unit fan while unit is stopped. (H tap)
6	Indoor unit forced operation	Allows forced operation of indoor unit.
8	Te setting	Target evaporation temperature for cooling
9	Tc setting	Target condensation temperature for heating
10	Defrost changeover setting	Changes the temperature condition for defrost and sets to quick defrost or slow defrost.
11	Sequential operation setting	Sets sequential operation
12	External low noise setting / Demand setting	Reception of external low noise or demand signal
13	AIRNET address	Set address for AIRNET.
18	High static pressure setting	Make this setting in the case of operating in high static pressure mode with diffuser duct mounted.
19	Emergency operation (STD compressor operation prohibited)	Used to operate system only with inverter compressor when STD compressor malfunctions. This is a temporary operation extremely impairing comfortable environment. Therefore, prompt replacement of the compressor is required. (This operation, however, is not set with RXY5M.)
20	Additional refrigerant charge operation setting	Carries out additional refrigerant charge operation.
21	Refrigerant collection mode setting	Sets to refrigerant collection mode.
22	Night-time low noise setting	Sets automatic nighttime low noise operation in a simple way. The operating time is based on “Starting set” and “Ending set”.
25	Low noise setting	Sets low noise level when the low noise signal is input from outside.
26	Night-time low noise control starting setting	Sets starting time of nighttime low noise operation. (Nighttime low noise setting is also required.)
27	Night-time low noise control ending setting	Sets ending time of nighttime low noise operation. (Nighttime low noise setting is also required.)
28	Power transistor check mode ∗Check after disconnection of compressor wires	Used for trouble diagnosis of DC compressor. Since the waveform of inverter is output without wiring to the compressor, it is convenient to probe whether the trouble comes from the compressor or PC board.
29	Capacity precedence setting	If the capacity control is required, the low noise control is automatically released by this setting during carrying out low noise operation and nighttime low noise operation.
30	Demand setting 1	Changes target value of power consumption when demand control 1 is input.
32	Normal demand setting	Normally enables demand control 1 without external input. (Effective to prevent a problem that circuit breaker of small capacity is shut down due to large load.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

No.	Setting item	Description
38	Emergency operation (Setting for the master unit operation prohibition in multi-outdoor-unit system)	Used to temporarily prohibit the applicable outdoor unit from operating should there be any faulty part in multi-outdoor-unit system. Since the comfortable environment is extremely impaired, prompt replacement of the part is required.
39	Emergency operation (Setting for the slave unit 1 operation prohibition in multi-outdoor-unit system)	
40	Emergency operation (Setting for the slave unit 2 operation prohibition in multi-outdoor-unit system)	

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

No.	Setting item display: Setting item	MODE H1P	TEST H2P	C/H selection: IND H3P	C/H selection: Master H4P	C/H selection: Slave H5P	Low noise H6P	Demand H7P	Setting condition display (✻ Factory set)
0	EMG (emergency operation) INV compressor operation inhibited.	○	●	●	●	●	●	●	Normal operation ✻ Emergency operation
1	Cool / Heat Unified address	○	●	●	●	●	●	○	Address (6 digits) 0 ✻ Binary number 1 ~ 31
2	Low noise/demand address	○	●	●	●	●	○	●	Address (6 digits) 0 ✻ Binary number 1 ~ 31
5	Indoor forced fan H	○	●	●	●	○	●	○	Normal operation ✻ Indoor forced fan H
6	Indoor forced operation	○	●	●	●	○	○	●	Normal operation ✻ Indoor forced operation
8	Te setting	○	●	●	○	●	●	●	High Normal (factory setting) ✻ Low
9	Tc setting	○	●	●	○	●	●	○	High Normal (factory setting) ✻ Low
10	Defrost setting	○	●	●	○	●	○	●	Quick defrost Normal (factory setting) ✻ Slow defrost
11	Sequential operation setting	○	●	●	○	●	○	○	OFF ON ✻
12	External low noise/ demand setting	○	●	●	○	○	●	●	External low noise/demand: NO ✻ External low noise/demand: YES
13	Airnet address	○	●	●	○	○	●	○	Address (6 digits) 0 ✻ Binary number 1 ~ 63
18	High static pressure setting	○	●	○	●	●	○	●	High static pressure setting: OFF ✻ High static pressure setting: ON
19	Emergency operation (STD compressor is inhibited to operate.)	○	●	○	●	●	○	○	OFF ✻ STD 1, 2 operation: Inhibited STD 2 operation: Inhibited
20	Additional refrigerant operation setting	○	●	○	●	○	●	●	Refrigerant charging: OFF ✻ Refrigerant charging: ON
21	Refrigerant recovery mode setting	○	●	○	●	○	●	○	Refrigerant recovery: OFF ✻ Refrigerant recovery: ON
22	Night-time low noise setting	○	●	○	●	○	○	●	OFF ✻ Level 1 (outdoor fan with 8 step or lower) Level 2 (outdoor fan with 7 step or lower) Level 3 (outdoor fan with 6 step or lower)
25	Low noise setting	○	●	○	○	●	●	○	Level 1 (outdoor fan with 8 step or lower) Level 2 (outdoor fan with 7 step or lower) ✻ Level 3 (outdoor fan with 6 step or lower) ✻

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

No.	Setting item	Setting item display: MODE H1P	TEST H2P	C/H selection: IND H3P	C/H selection: Master H4P	C/H selection: Slave H5P	Low noise H6P	Demand H7P	Setting condition display (✻ Factory set)
26	Night-time low noise operation start setting	○	●	○	○	●	○	●	About 20:00 ○●●●●●○ About 22:00 (factory ✻) ○●●●●○● About 24:00 ○●●●○●●
27	Night-time low noise operation end setting	○	●	○	○	●	○	○	About 6:00 ○●●●●●○ About 7:00 ○●●●●○● About 8:00 (factory setting ✻) ○●●●○●●
28	Power transistor check mode	○	●	○	○	○	●	●	OFF ○●●●●●○ ✻ ON ○●●●●○●
29	Capacity precedence setting	○	●	○	○	○	●	○	OFF ○●●●●●○ ✻ ON ○●●●●○●
30	Demand setting 1	○	●	○	○	○	○	●	60 % demand ○●●●●●○ 70 % demand ○●●●●○●✻ 80 % demand ○●●●○●●
32	Continuous demand setting	○	○	●	●	●	●	●	OFF ○●●●●●○ ✻ ON ○●●●●○●
38	Emergency operation (Master unit with multi-outdoor-unit system is inhibited to operate.)	○	○	●	●	○	○	●	OFF ○●●●●●○ ✻ Master unit operation: Inhibited ○●●●●○●
39	Emergency operation (Slave unit 1 with multi-outdoor-unit system is inhibited to operate.)	○	○	●	●	○	○	○	OFF ○●●●●●○ ✻ Slave unit 1 operation: Inhibited ○●●●●○●
40	Emergency operation (Slave unit 2 with multi-outdoor-unit system is inhibited to operate.)	○	○	●	○	●	●	●	OFF ○●●●●●○ ✻ Slave unit 2 operation: Inhibited ○●●●●○●

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

c. Monitor mode

To enter the monitor mode, push the MODE button (BS1) when in "Setting mode 1".

<Selection of setting item>

Push the SET button (BS2) and set the LED display to a setting item.

<Confirmation on setting contents>

Push the RETURN button (BS3) to display different data of set items.

Push the RETURN button (BS3) and switches to the initial status of "Monitor mode".

∗ Push the MODE button (BS1) and returns to "Setting mode 1".

(V2765)

No.	Setting item	LED display							Data display
		H1P	H2P	H3P	H4P	H5P	H6P	H7P	
0	Number of units for sequential starting, and others	◑	●	●	●	●	●	●	See below
1	C/H unified address	◑	●	●	●	●	●	○	Lower 6 digits
2	Low noise/demand address	◑	●	●	●	●	○	●	
3	Not used	◑	●	●	●	●	○	○	
4	Airnet address	◑	●	●	●	○	●	●	
5	Number of connected indoor units	◑	●	●	●	○	●	○	
6	Number of connected BS units	◑	●	●	●	○	○	●	
7	Number of connected zone units (excluding outdoor and BS unit)	◑	●	●	●	○	○	○	
8	Number of outdoor units	◑	●	●	○	●	●	●	
9	Number of connected BS units	◑	●	●	○	●	●	○	Lower 4 digits: upper
10	Number of connected BS units	◑	●	●	○	●	○	●	Lower 4 digits: lower
11	Number of zone units (excluding outdoor and BS unit)	◑	●	●	○	●	○	○	Lower 6 digits
12	Number of terminal blocks	◑	●	●	○	○	●	●	Lower 4 digits: upper
13	Number of terminal blocks	◑	●	●	○	○	●	○	Lower 4 digits: lower
14	Contents of malfunction (the latest)	○	●	●	○	○	○	●	Malfunction code table
15	Contents of malfunction (1 cycle before)	○	●	●	○	○	○	○	Refer page 154, 155.
16	Contents of malfunction (2 cycle before)	○	●	○	●	●	●	●	
20	Contents of retry (the latest)	○	●	○	●	○	●	●	
21	Contents of retry (1 cycle before)	○	●	○	●	○	●	○	
22	Contents of retry (2 cycle before)	○	●	○	●	○	○	●	

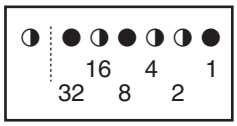
Setting item 0 Display contents of "Number of units for sequential start, and others"

Number of units for sequential start	1 unit	◑	●	●	●	●	●	●
	2 units	◑	●	◑	●	●	●	●
	3 units	◑	●	○	●	●	●	●
EMG operation /backup operation setting	ON	◑	●	●	○	●	●	●
	OFF	◑	●	●	●	●	●	●
Defrost select setting	Short	◑	●	●	●	○	●	●
	Medium	◑	●	●	●	◑	●	●
	Long	◑	●	●	●	●	●	●
Te setting	H	◑	●	●	●	●	○	●
	M	◑	●	●	●	●	◑	●
	L	◑	●	●	●	●	●	●
Tc setting	H	◑	●	●	●	●	●	○
	M	◑	●	●	●	●	●	◑
	L	◑	●	●	●	●	●	●

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

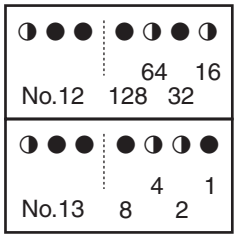
Push the SET button and match with the LEDs No. 1 - 15, push the RETURN button, and enter the data for each setting.

★ Data such as addresses and number of units is expressed as binary numbers; the two ways of expressing are as follows:



The No. 1 cool/heat unified address is expressed as a binary number consisting of the lower 6 digits. (0 - 63)

In ① the address is 010110 (binary number), which translates to 16 + 4 + 2 = 22 (base 10 number). In other words, the address is 22.



The number of terminal blocks for No. 12 and 13 is expressed as an 8-digit binary number, which is the combination of four upper, and four lower digits for No. 12 and 13 respectively. (0 - 128)
In ② the address for No. 12 is 0101, the address for No. 13 is 0110, and the combination of the two is 01010110 (binary number), which translates to 64 + 16 + 4 + 2 = 86 (base 10 number). In other words, the number of terminal block is 86..

★ See the preceding page for a list of data, etc. for No. 0 - 22.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2.2 Cool / Heat Mode Switching

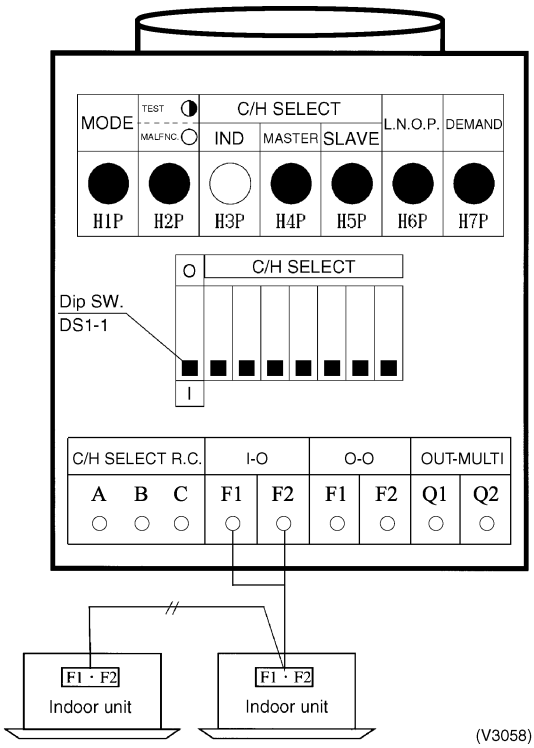
There are the following 5 cool/heat switching modes.

① Set cool/heat separately for each outdoor unit system by indoor unit remote controller.
② Set cool/heat separately for each outdoor unit system by cool/heat switching remote controller.
③ Set cool/heat for more than one outdoor unit system simultaneously in accordance with unified master outdoor unit by indoor unit remote controller.
④ Set cool/heat for more than one outdoor unit system simultaneously in accordance with unified master outdoor unit by cool/heat switching remote controller.

---

① Set Cool/Heat Separately for Each Outdoor System by Indoor Unit Remote Controller

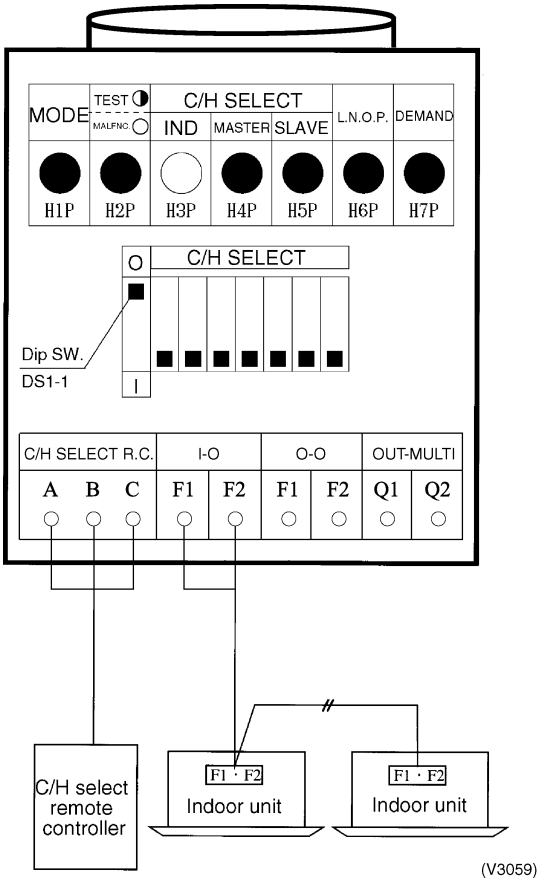
- ◆ It does not matter whether or not there is outdoor - outdoor unit wiring.
- ◆ Set outdoor unit PC board DS1-1 to “indoor” (factory set).
- ◆ Set cool/heat switching to “individual” for “Setting mode 1” (factory set).



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

② **Set Cool / Heat Separately for Each Outdoor Unit System by Cool/Heat Switching Remote Controller**

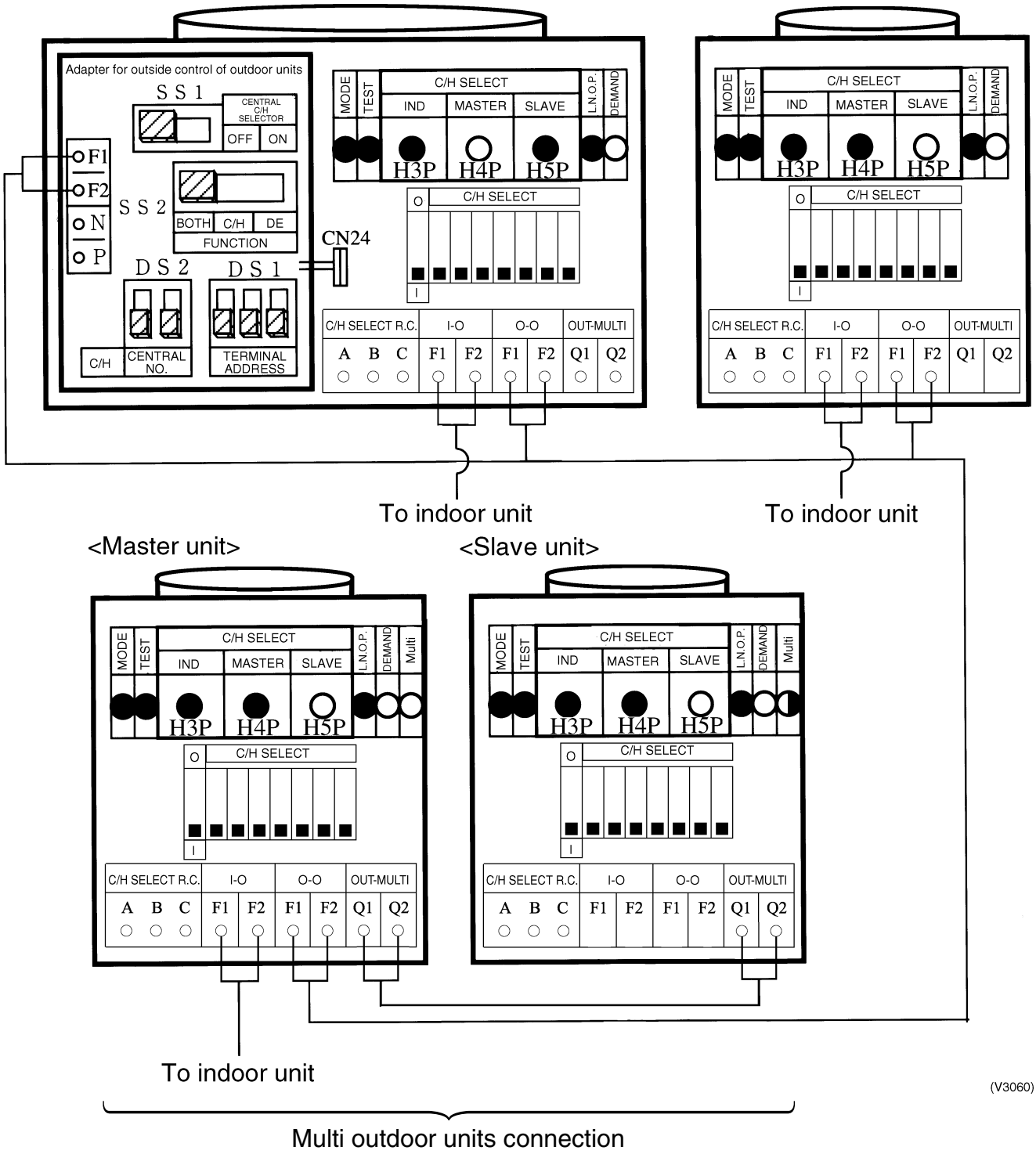
- ◆ It does not matter whether or not there is outdoor - outdoor unit wiring.
- ◆ Set outdoor unit PC board DS1-1 to “outdoor” (factory set).
- ◆ Set cool/heat switching to “individual” for “Setting mode 1” (factory set).



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

③ Set Cool / Heat for More Than One Outdoor Unit System Simultaneously in Accordance with Unified Master Outdoor Unit by Indoor Unit Remote Controller

- Install the outdoor unit external control adapter on either the outdoor-outdoor, indoor-outdoor, or transmission line.
- Set outdoor unit PC board DS1-1 to “Indoor” (factory set).
- In setting mode 1, set the outdoor unit you want to give cool/heat selection permission to as the group master, and set the other outdoor units as group slave units.
- Set the outdoor unit external control adapter SS1 to Unified (factory set) or Cool, and SS2 to No (factory set).



(V3060)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

④ Set Cool / Heat for More Than One Outdoor Unit System Simultaneously in Accordance with Unified Master Outdoor Unit by Cool/Heat Switching Remote Controller

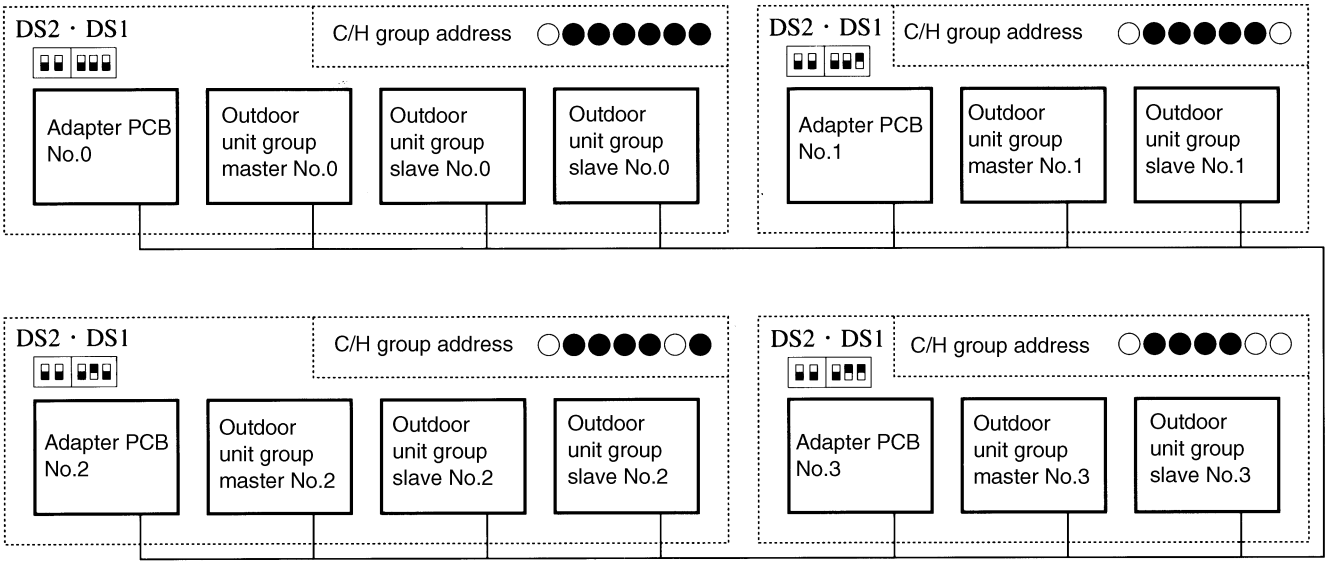
◆ Add and change the following items to ③.

★ Install cool/heat switching remote controller on the group master outdoor unit.

★ Set SS1 on the group master outdoor unit PC board.

Supplementation on ③ and ④.

When switching cool/heat for each adapter PC board with the use of more than one adapter PC board, set the address of the adapter PC board DS1 and DS2 so that it matches the unified cool/heat address of outdoor unit PC board.



(V2723)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Address setting for ③ and ④ (Set lower 5 digits with binary number.) [No.0 to No.31]

Address No.	Outdoor unit PCB LED Set with setting mode 2	Adapter PCB DS2 DS1
No 0	○ ● ● ● ● ● 0	0
No 1	○ ● ● ● ● ○ 1	1
No 2	○ ● ● ● ○ ● 2	2
No 3	○ ● ● ● ○ ○ 3	3
No 4	○ ● ● ○ ● ● 4	4
≀	≀	≀
No 30	○ ● ○ ○ ○ ○ ● 30	30
No 31	○ ● ○ ○ ○ ○ ○ 31	31

○ ON ● OFF Upper position (ON) lower position (OFF)

(The shaded part shows knob)

(V2724)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2.3 Setting of Low Noise Operation and Demand Operation

Setting of Low Noise Operation

By connecting the external contact input to the low noise input of the outdoor unit external control adapter (optional), you can lower operating noise by 2-3 dB.

A. When the low noise operation is carried out by external instructions (with the use of the outdoor unit external control adapter)

1. Set “External low noise / Demand YES/NO setting” to “External low noise / Demand YES”. (Set by Setting Mode 2)
2. Set “External low noise level setting” on the outdoor unit PC board, as the need arises. (Lower noise operation can be carried out by “Mode 2” than by “Mode 1”, and by “Mode 3” than by “Mode 2”.)
3. Set “Capacity precedence setting” on the outdoor unit PC board, as the need arises. (If set to “ON”, when air conditioning load gets higher, the low noise instructions are neglected to switch to normal operation.) (Set by Setting Mode 2)

B. When the low noise operation is carried out automatically at night (The outdoor unit external control adapter is not required)

1. Set “Night-time low noise setting” on the outdoor unit PC board. (Set by Setting Mode 2) (Lower noise operation can be carried out by “Mode 2” than by “Mode 1”, and by “Mode 3” than by “Mode 2”.)
2. Set “Night-time low noise start setting” on the outdoor unit PC board, as the need arises. (Set by Setting Mode 2)
   (Since the time is presumed in accordance with the outdoor temperature, the starting time is a target only.)
3. Set “Night-time low noise end setting” on the outdoor unit PC board, as the need arises. (Set by Setting Mode 2)
   (Since the time is presumed in accordance with the outdoor temperature, the ending time is a target only.)
4. Set “Capacity precedence setting” on the outdoor unit PC board, as the need arises. (Set by Setting Mode 2)
   (If set to “ON”, when air conditioning load gets higher, the status is switched to normal operation even at night.)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Image of operation in the case of A

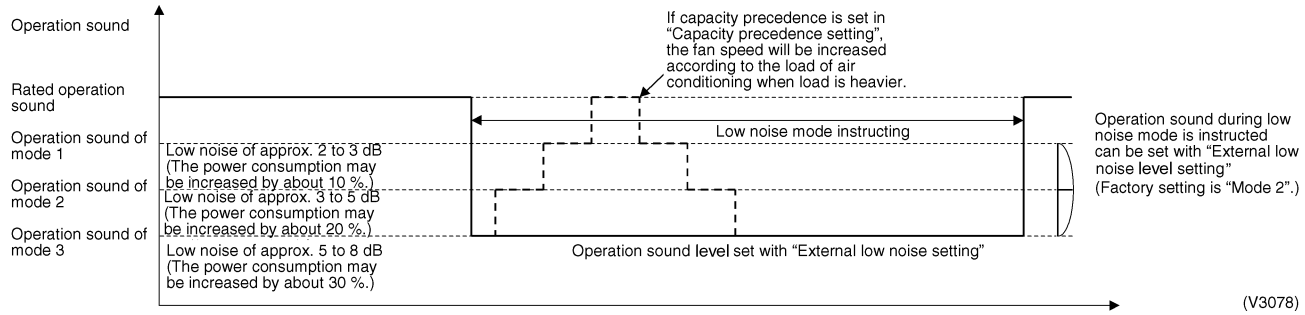

Operation sound
Rated operation sound
Operation sound of mode 1
Operation sound of mode 2
Operation sound of mode 3
If capacity precedence is set in "Capacity precedence setting", the fan speed will be increased according to the load of air conditioning when load is heavier.
Low noise mode instructing
Operation sound during low noise mode is instructed can be set with "External low noise level setting" (Factory setting is "Mode 2".)
Low noise of approx. 2 to 3 dB (The power consumption may be increased by about 10 %.)
Low noise of approx. 3 to 5 dB (The power consumption may be increased by about 20 %.)
Low noise of approx. 5 to 8 dB (The power consumption may be increased by about 30 %.)
Operation sound level set with "External low noise setting"
(V3078)

Image of operation in the case of B

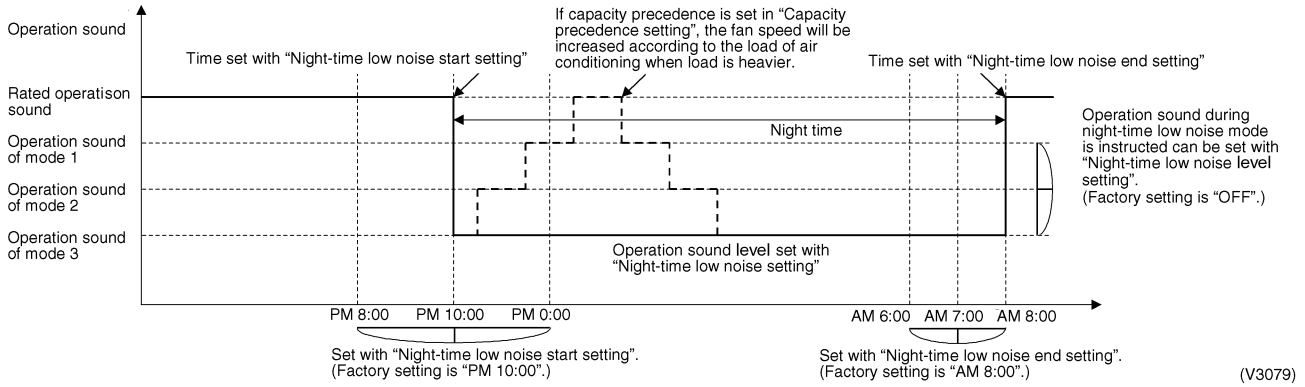
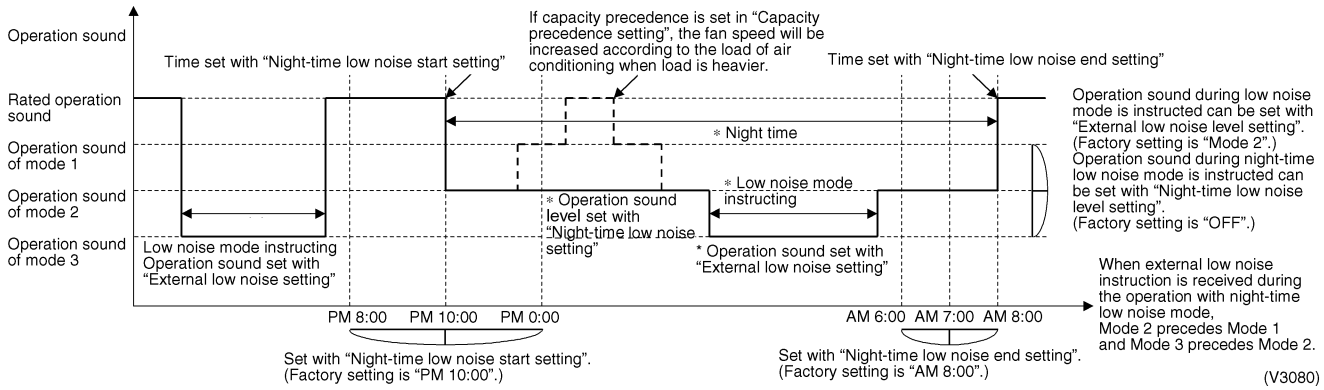

Operation sound
Rated operatison sound
Operation sound of mode 1
Operation sound of mode 2
Operation sound of mode 3
Time set with "Night-time low noise start setting"
If capacity precedence is set in "Capacity precedence setting", the fan speed will be increased according to the load of air conditioning when load is heavier.
Time set with "Night-time low noise end setting"
Night time
Operation sound during night-time low noise mode is instructed can be set with "Night-time low noise level setting". (Factory setting is "OFF".)
Operation sound level set with "Night-time low noise setting"
PM 8:00 PM 10:00 PM 0:00
AM 6:00 AM 7:00 AM 8:00
Set with "Night-time low noise start setting". (Factory setting is "PM 10:00".)
Set with "Night-time low noise end setting". (Factory setting is "AM 8:00".)
(V3079)

Image of operation in the case of A, B


Operation sound
Rated operation sound
Operation sound of mode 1
Operation sound of mode 2
Operation sound of mode 3
Time set with "Night-time low noise start setting"
If capacity precedence is set in "Capacity precedence setting", the fan speed will be increased according to the load of air conditioning when load is heavier.
Time set with "Night-time low noise end setting"
* Night time
* Low noise mode instructing
* Operation sound level set with "Night-time low noise setting"
Low noise mode instructing Operation sound set with "External low noise setting"
* Operation sound set with "External low noise setting"
Operation sound during low noise mode is instructed can be set with "External low noise level setting". (Factory setting is "Mode 2".) Operation sound during night-time low noise mode is instructed can be set with "Night-time low noise level setting". (Factory setting is "OFF".)
When external low noise instruction is received during the operation with night-time low noise mode, Mode 2 precedes Mode 1 and Mode 3 precedes Mode 2.
PM 8:00 PM 10:00 PM 0:00
AM 6:00 AM 7:00 AM 8:00
Set with "Night-time low noise start setting". (Factory setting is "PM 10:00".)
Set with "Night-time low noise end setting". (Factory setting is "AM 8:00".)
(V3080)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Setting of Demand Operation

By connecting the external contact input to the demand input of the outdoor unit external control adapter (optional), the power consumption of unit operation can be saved suppressing the compressor operating condition.

A. When the demand operation is carried out by external instructions (with the use of the outdoor unit external control adapter).

- Set the "External low noise/Demand YES/NO setting" switch on the outdoor unit PCB to the "External low noise/Demand YES".
  (Set by Setting Mode 2)
- Set the "Demand 1 level setting " on the outdoor unit PCB, as the need arises.
  (During the demand level 1 instruction, the power consumption can be saved to 80 %, 70 % or 60 % of the rated value respectively.)

B. When the continuous demand operation is carried out. (Use of the outdoor unit external control adapter is not required.)

- Set the "Continuous demand setting" on the outdoor unit PCB.
- If the "Continuous demand setting" is set to the "Continuous demand 1 fixing", set the "Demand 1 setting " on the outdoor unit PCB, as the need arises.
  (During the continuous demand level 1 operation, the power consumption can be saved to 80 %, 70 % or 60 % of the rated value respectively.)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Image of operation in the case of A

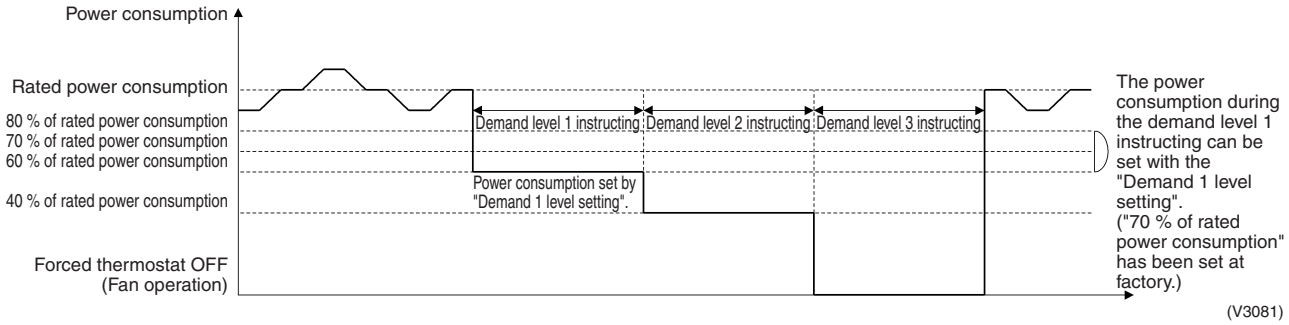

Power consumption
Rated power consumption
80 % of rated power consumption
70 % of rated power consumption
60 % of rated power consumption
40 % of rated power consumption
Forced thermostat OFF
(Fan operation)
Demand level 1 instructing
Demand level 2 instructing
Demand level 3 instructing
Power consumption set by
"Demand 1 level setting".
The power consumption during the demand level 1 instructing can be set with the "Demand 1 level setting". ("70 % of rated power consumption" has been set at factory.)
(V3081)

Image of operation in the case of B

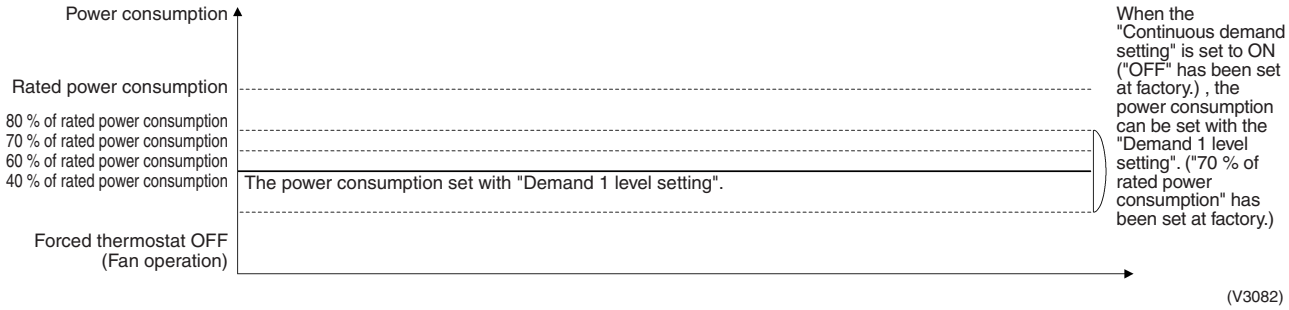
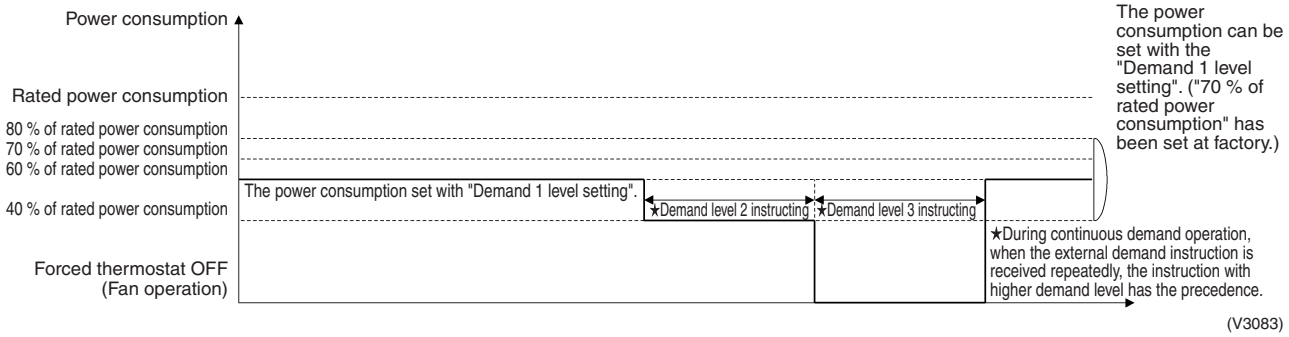

Power consumption
Rated power consumption
80 % of rated power consumption
70 % of rated power consumption
60 % of rated power consumption
40 % of rated power consumption
Forced thermostat OFF
(Fan operation)
The power consumption set with "Demand 1 level setting".
When the "Continuous demand setting" is set to ON ("OFF" has been set at factory.) , the power consumption can be set with the "Demand 1 level setting". ("70 % of rated power consumption" has been set at factory.)
(V3082)

Image of operation in the case of A and B


Power consumption
Rated power consumption
80 % of rated power consumption
70 % of rated power consumption
60 % of rated power consumption
40 % of rated power consumption
Forced thermostat OFF
(Fan operation)
The power consumption set with "Demand 1 level setting".
★Demand level 2 instructing
★Demand level 3 instructing
The power consumption can be set with the "Demand 1 level setting". ("70 % of rated power consumption" has been set at factory.)
★During continuous demand operation, when the external demand instruction is received repeatedly, the instruction with higher demand level has the precedence.
(V3083)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Detailed Setting Procedure of Low Noise Operation and Demand Control

1. Setting mode 1 (H1P off)

① In setting mode 2, push the BS1 (MODE button) one time. → Setting mode 2 is entered and H1P lights.
During the setting mode 1 is displayed, “In low noise operation” and “In demand control” are displayed.

2. Setting mode 2 (H1P on)

① In setting 1, push and hold the BS1 (MODE button) for more than 5 seconds. → Setting mode 2 is entered and H1P lights.
② Push the BS2 (SET button) several times and match the LED display with the Setting No. you want.
③ Push the BS3 (RETURN button) one time, and the present setting content is displayed.
→ Push the BS2 (SET button) several times and match the LED display with the setting content (as shown below) you want.
④ Push the BS3 (RETURN button) two times. → Returns to ①.
⑤ Push the BS1 (MODE button) one time. → Returns to the setting mode 1 and turns H1P off.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

		①							②								③						
Setting No.	Setting contents	Setting No. indication							Setting No. indication							Setting contents	Setting contents indication (Initial setting)						
		H1P	H2P	H3P	H4P	H5P	H6P	H7P	H1P	H2P	H3P	H4P	H5P	H6P	H7P		H1P	H2P	H3P	H4P	H5P	H6P	H7P
22	Night-time low noise setting	○	●	●	●	●	●	●	○	●	○	●	○	○	●	OFF (Factory setting)	○	●	●	●	●	●	●
																Mode 1	○	●	●	●	●	●	◎
																Mode 2	○	●	●	●	●	◎	◎
																Mode 3	○	●	●	●	●	◎	◎
25	External low noise setting								○	●	○	○	●	●	○	Mode 1	○	●	●	●	●	●	◎
																Mode 2 (Factory setting)	○	●	●	●	●	◎	●
																Mode 3	○	●	●	●	●	●	◎
26	Night-time low noise start setting								○	●	○	○	●	○	●	PM 8:00	○	●	●	●	●	◎	●
																PM 10:00 (Factory setting)	○	●	●	●	◎	●	●
																PM 0:00	○	●	●	●	●	●	◎
27	Night-time low noise end setting								○	●	○	○	●	○	○	AM 6:00	○	●	●	●	●	◎	●
																AM 7:00	○	●	●	●	◎	●	●
																AM 8:00 (Factory setting)	○	●	●	●	●	●	◎
29	Capacity precedence setting								○	●	○	○	○	●	○	Low noise precedence (Factory setting)	○	●	●	●	●	●	●
																Capacity precedence	○	●	●	●	●	◎	●
30	Demand setting 1								○	●	○	○	○	○	●	60 % of rated power consumption	○	●	●	●	●	●	◎
																70 % of rated power consumption (Factory setting)	○	●	●	●	●	◎	●
																80 % of rated power consumption	○	●	●	●	◎	●	●
32	Continuous demand setting								○	●	●	●	●	●	●	OFF (Factory setting)	○	●	●	●	●	●	◎
																Continuous demand 1 fixed	○	●	●	●	●	◎	●
12	External low noise / Demand setting								○	●	●	○	○	●	●	NO (Factory set)	○	●	●	●	●	●	○
																YES	○	●	●	●	●	○	●

Setting mode indication section

Setting No. indication section

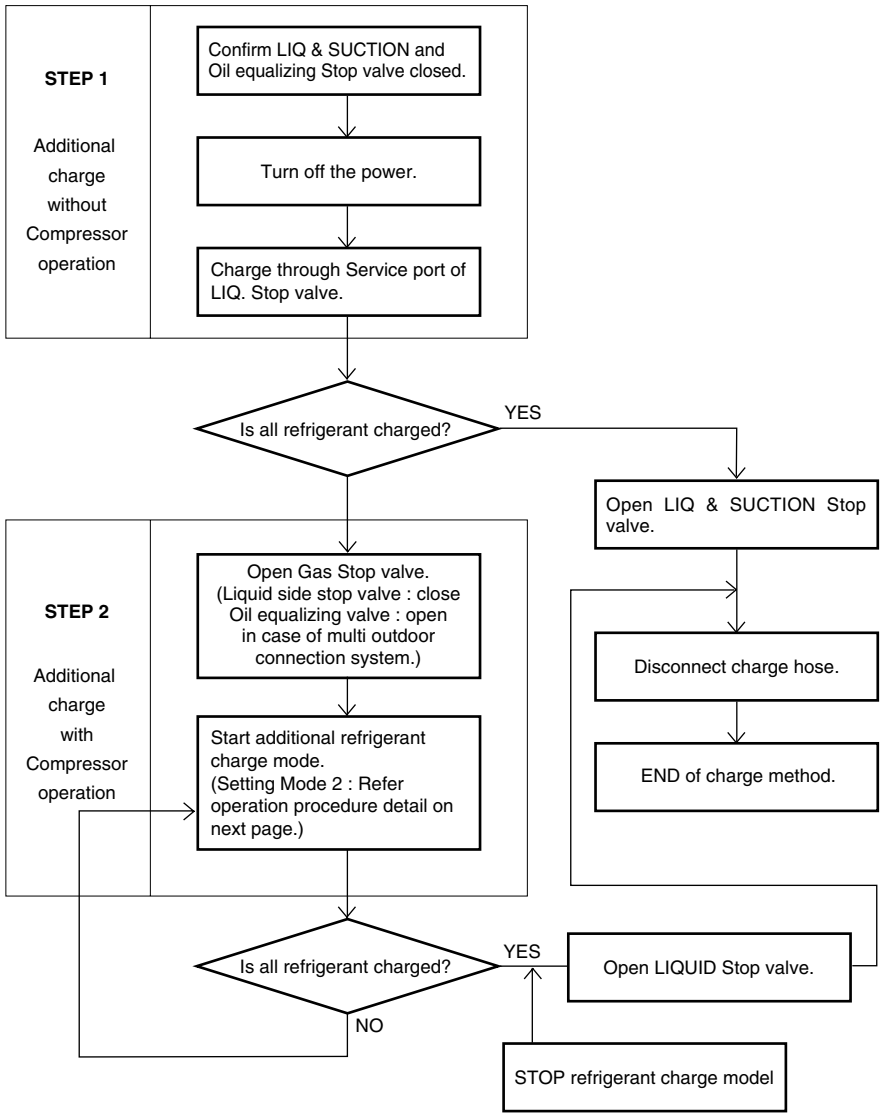
Set contents indication section

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2.4 Setting of Refrigerant Additional Charging Operation

When additional refrigerant is not charged all with outdoor unit in stop mode, operate the outdoor unit and charge the liquid refrigerant from the service port of liquid stop value. The additional charging operation is activated by pushbutton switch on the outdoor unit PC board.

[Additional refrigerant charge total flow]


STEP 1
Additional charge without Compressor operation
Confirm LIQ & SUCTION and Oil equalizing Stop valve closed.
Turn off the power.
Charge through Service port of LIQ. Stop valve.
Is all refrigerant charged?
YES
Open LIQ & SUCTION Stop valve.
STEP 2
Additional charge with Compressor operation
Open Gas Stop valve. (Liquid side stop valve : close Oil equalizing valve : open in case of multi outdoor connection system.)
Start additional refrigerant charge mode. (Setting Mode 2 : Refer operation procedure detail on next page.)
Disconnect charge hose.
END of charge method.
Is all refrigerant charged?
YES
Open LIQUID Stop valve.
NO
STOP refrigerant charge model

(V2892)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

[Operation procedure detail]

① After turning the respective remote switch of indoor and outdoor units off and charging the refrigerant, turn on the power of indoor and outdoor units.
Do not fail to turn the power off and charge the refrigerant with outdoor unit in stop mode before adding the refrigerant following this procedure, otherwise resulting in trouble.

② Fully open the stop valve on the gas side and oil equalizing valve for multi outdoor connection, and do not fail to fully close the stop valve on the liquid side. (If the stop valve on the liquid side is open, the refrigerant cannot be charged.)

③ In **Setting mode 2** (H1P : ON) with outdoor unit in stop mode, Set "A Additional refrigerant charging operation" switch to ON to start the operation. (H2P turns to display TEST OPERATION (blinks), and "TEST OPERATION" and "IN CENTRALIZED CONTROL" are displayed on the remote controller.)

④ When the refrigerant is charged up to the specified amount, press the RETURN button (BS3) to stop charging.
The charging operation is automatically stopped after operating for a maximum of about 30 minutes.
If the charging is not complete within 30 minutes, set the A Additional refrigerant charging operation again to start charging. When the charging immediately stops even by restarting, the refrigerant is charged excessively. The refrigerant cannot be charged any more.

⑤ **Do not fail to fully open the stop valve on the liquid side** as soon as disconnecting the refrigerant charging hose.
(The piping may be burst due to the liquid sealing.)

[Operation state]

- Compressor frequency : 210Hz
- Y1S, Y2S, Y3S Solenoid valve : Open
- Outdoor unit fan : High pressure control
- Indoor unit expansion valve (All unit) : 1024 pulse
- Indoor unit fan : H tap

3.2.5 Setting of Refrigerant Recovery Mode

When carrying out the refrigerant collection on site, fully open the respective expansion valve of indoor and outdoor units

[Operation procedure]

① In **setting mode 2** with units in stop mode, set "B Refrigerant Recovery / Vacuuming mode" to ON. The respective expansion valve of indoor and outdoor units are fully opened. (H2P turns to display "TEST OPERATION" (blinks), "TEST OPERATION" and "IN CENTRALIZED CONTROL" are displayed on the remote controller, and the operation is prohibited.

② Collect the refrigerant using a refrigerant recovery unit. (See the instruction attached to the refrigerant recovery unit for more detal.)

③ Press Mode button "BS1" once and reset "Setting Mode 2".

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2.6 Setting of Vacuuming Mode

In order to perform vacuuming operation at site, fully open the expansion valves of indoor and outdoor units to turn on some solenoid valves.

[Operating procedure]

① With **Setting Mode 2** while the unit stops, set (B) Refrigerant recovery / Vacuuming mode to ON. The expansion valves of indoor and outdoor units fully open and some of solenoid valves open.
(H2P blinks to indicate the test operation, and the remote controller displays "Test Operation" and "In Centralized control", thus prohibiting operation.)
After setting, do not cancel “Setting Mode 2” until completion of Vacuuming operation.

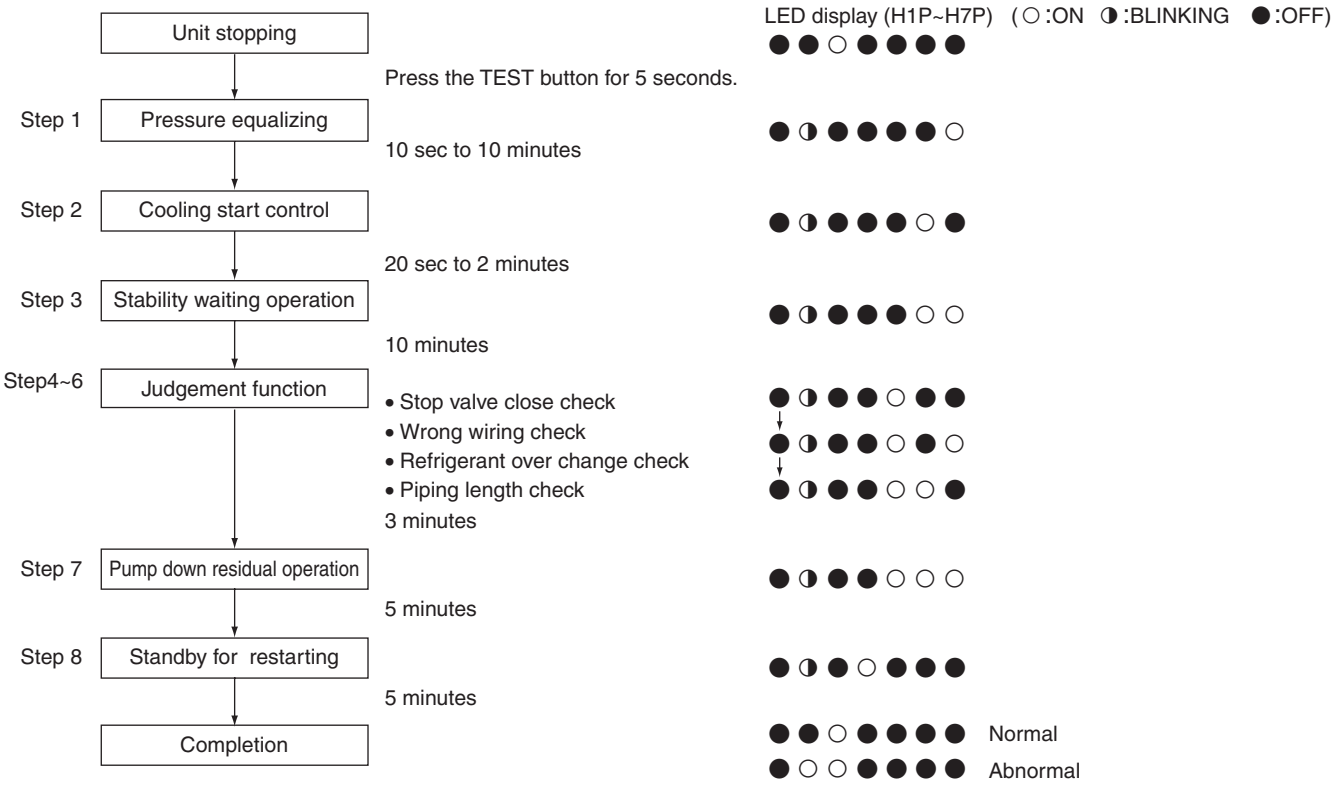
② Use the vacuum pump to perform vacuuming operation.

③ Press Mode button “BS1” once and reset “Setting Mode 2”.

3.2.7 Check Operation

To prevent any trouble in the period of installation at site, the system is provided with a test operation mode enabling check for incorrect wiring, stop valve left in closed, coming out (or misplacing with suction pipe thermistor) of discharge pipe thermistor and judgment of piping length, refrigerant overcharging, and learning for the minimum opening degree of motorized valve.

CHECK OPERATION FUNCTION



3.2.8 Power Transistor Check Operation

When the inverter system malfunctions (malfunction of inverter, INV compressor), to locate where the malfunction occurs, switching to the power transistor check mode of inverter in the service mode setting enables not to judge the position detection signal malfunction but to output waveform only during inverter operation. (The waveform can be checked by disconnecting the wiring of compressor.)

Note: Be sure to disconnect the compressor wiring when conducting the check operation mentioned above.
When the output voltage is approx. 50 V (10 Hz) and the voltage balance between phases U-V, V-W, W-U is within ±5%, the inverter PCB is normal.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

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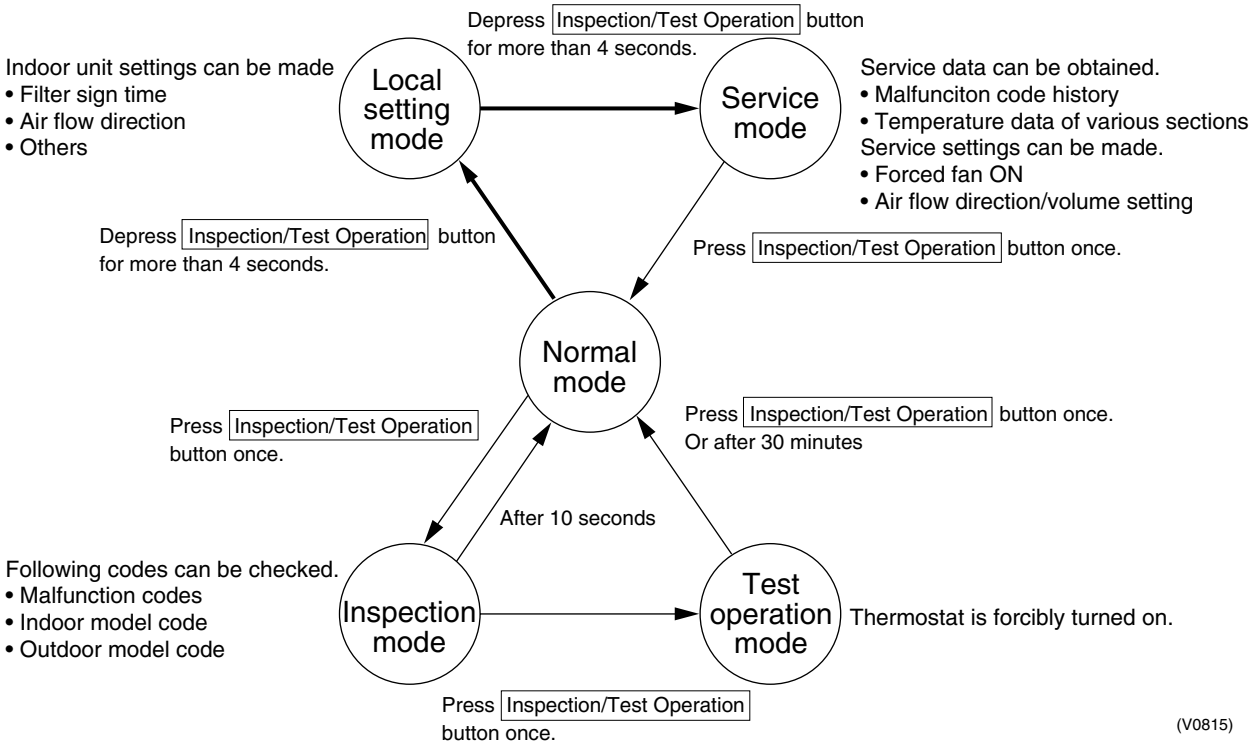
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Troubleshooting by Remote Controller

1.1 The INSPECTION / TEST Button

The following modes can be selected by using the [Inspection/Test Operation] button on the remote control.

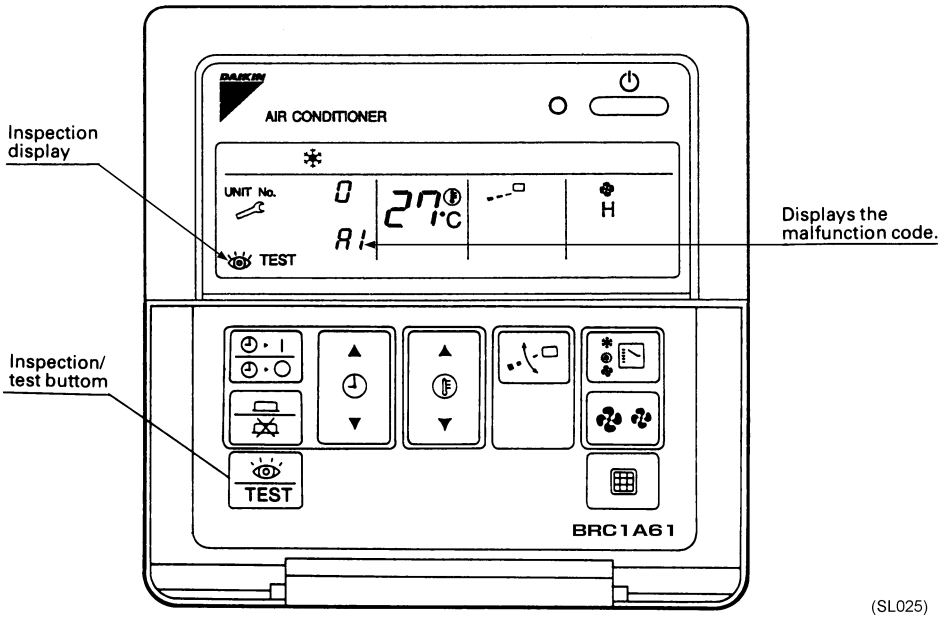

Depress Inspection/Test Operation button for more than 4 seconds.
Indoor unit settings can be made
• Filter sign time
• Air flow direction
• Others
Local setting mode
Service mode
Service data can be obtained.
• Malfunciton code history
• Temperature data of various sections
Service settings can be made.
• Forced fan ON
• Air flow direction/volume setting
Depress Inspection/Test Operation button for more than 4 seconds.
Press Inspection/Test Operation button once.
Normal mode
Press Inspection/Test Operation button once.
Press Inspection/Test Operation button once.
Or after 30 minutes
After 10 seconds
Following codes can be checked.
• Malfunction codes
• Indoor model code
• Outdoor model code
Inspection mode
Test operation mode
Thermostat is forcibly turned on.
Press Inspection/Test Operation button once.
(V0815)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.2 Self-diagnosis by Wired Remote Controller

Explanation

If operation stops due to malfunction, the remote controller's operation LED blinks, and malfunction code is displayed. (Even if stop operation is carried out, malfunction contents are displayed when the inspection mode is entered.) The malfunction code enables you to tell what kind of malfunction caused operation to stop. See page 173 for malfunction code and malfunction contents.



1.3 Self-diagnosis by Wireless Remote Controller

In the Case of BRC7C ~ Type

If equipment stops due to a malfunction, the operation indicating LED on the light reception section flashes.
The malfunction code can be determined by following the procedure described below. (The malfunction code is displayed when an operation error has occurred. In normal condition, the malfunction code of the last problem is displayed.)

1. Press the INSPECTION/TEST button to select “Inspection.”
   The equipment enters the inspection mode. The “Unit” indication lights and the Unit No. display shows flashing “0” indication.
2. Set the Unit No.
   Press the UP or DOWN button and change the Unit No. display until the buzzer (*1) is generated from the indoor unit.
   *1 Number of beeps
   3 short beeps : Conduct all of the following operations.
   1 short beep : Conduct steps 3 and 4.
   Continue the operation in step 4 until a buzzer remains ON. The continuous buzzer indicates that the malfunction code is confirmed.
   Continuous beep : No abnormality.
3. Press the MODE selector button.
   The left “0” (upper digit) indication of the malfunction code flashes.
4. Malfunction code upper digit diagnosis
   Press the UP or DOWN button and change the malfunction code upper digit until the malfunction code matching buzzer (*2) is generated.

■ The upper digit of the code changes as shown below when the UP and DOWN buttons are pressed.

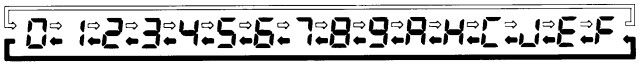
⇨ ”Advance” button ⬅ ”Backward” button (SE006)

*2 Number of beeps
Continuous beep : Both upper and lower digits matched. (Malfunction code confirmed)
2 short beeps : Upper digit matched.
1 short beep : Lower digit matched.

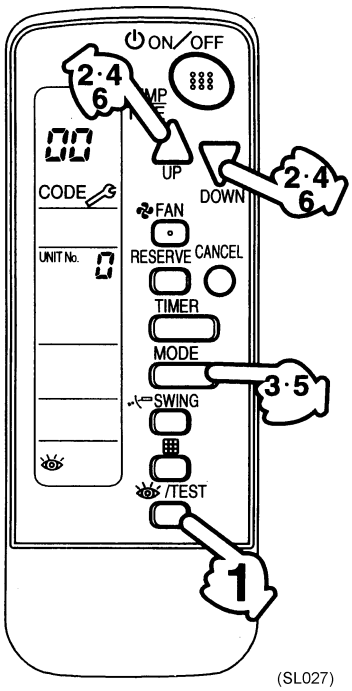
5. Press the MODE selector button.
   The right “0” (lower digit) indication of the malfunction code flashes.
6. Malfunction code lower digit diagnosis
   Press the UP or DOWN button and change the malfunction code lower digit until the continuous malfunction code matching buzzer (*2) is generated.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

■ The lower digit of the code changes as shown below when the UP and DOWN buttons are pressed.

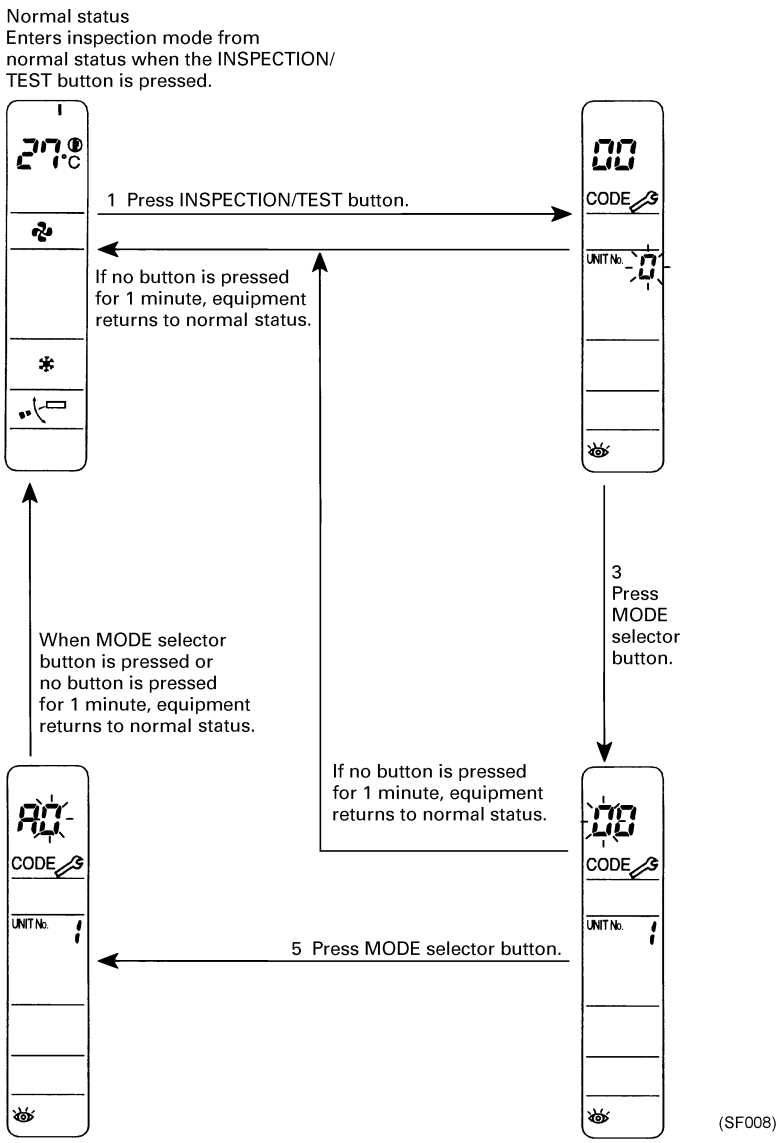


(SE007)



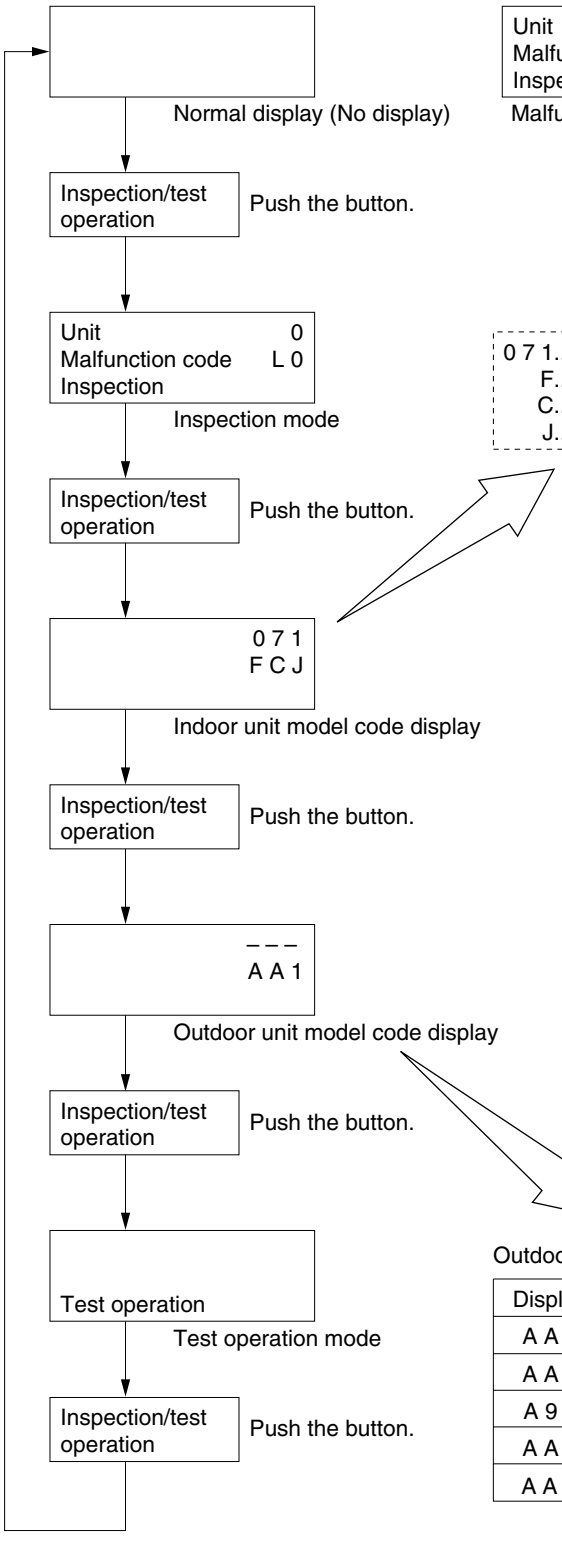
(SL027)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.4 Operation of The Remote Controller's Inspection / Test Operation Button



Unit 0
Malfunction code L 0
Inspection

Malfunction code blinks when a malfunction occurs.

0 7 1... Capacity code
F... Indoor unit system code
C... Indoor unit type code
J... Progression code

Example of capacity code display

Example model	Display
FXC25	028
FXF63	071

Indoor unit system code

Display	Product classification	System classification
1	VRV system	(VAV indoor unit)
2	VRV system	Outdoor air intake
F	VRV system	Standard indoor unit

Indoor unit type code

Display	Type	Model
A	Wall mounted	FXA
C	Double flow	FXC
E	Corner	FXK
F	Multi flow	FXF
H	Ceiling suspended	FXH
J	Built-in	FXS
L	Floor standing	FXL
P	Concealed ceiling duct	FXM
L	Concealed floor standing type	FXN
J	Ceiling mounted built in (Rear suction type)	FXYB
U	Ceiling mounted low silhouette duct type	FXYD

Outdoor model code

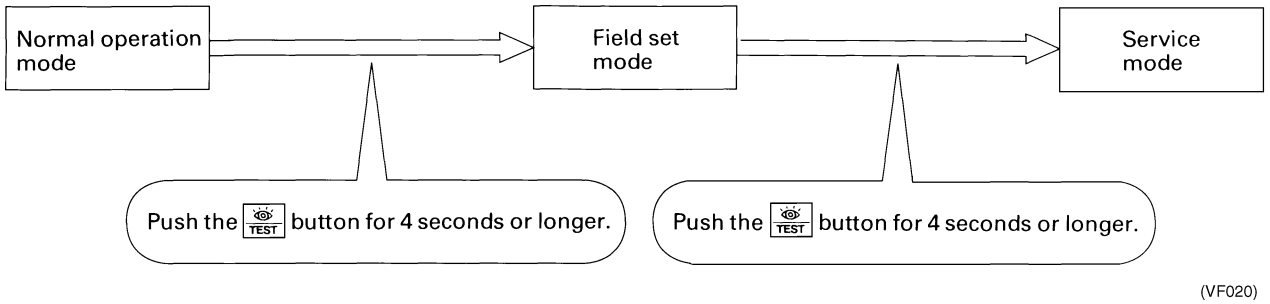
Display	Type	Model
A A 1	VRV System Inverter K Series	RSXYP
A A 3	R407C VRV PLUS Series	RXYP
A 9 2	VRV Heat Recovery Series	RSEYP
A A 5	High COP type R407C L Series	RSXYP-L
A A A	VRV II	RXYQ-M, RXY-M

(V2775)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.5 Remote Controller Service Mode

How to Enter the Service Mode


Normal operation mode
Field set mode
Service mode
Push the TEST button for 4 seconds or longer.
Push the TEST button for 4 seconds or longer.
(VF020)

Service Mode Operation Method

1. Select the mode No.
Set the desired mode No. with the button.
(For wireless remote controller, Mode 43 only can be set.)

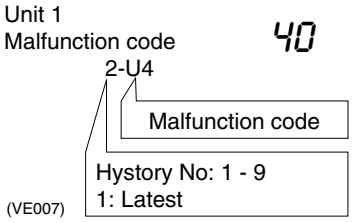
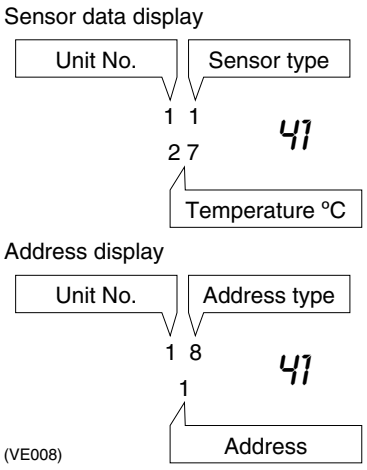
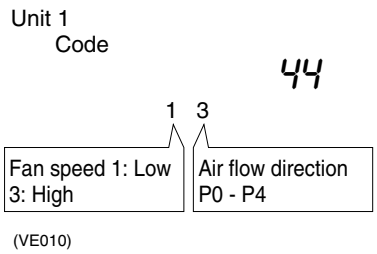
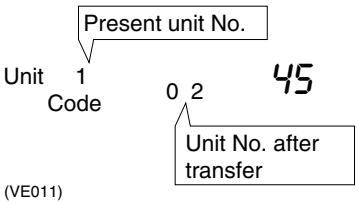
2. Select the unit No. (For group control only)
Select the indoor unit No. to be set with the time mode . (For wireless remote controller, button.)

3. Make the settings required for each mode. (Modes 41, 44, 45)
In case of Mode 44, 45, push button to be able to change setting before setting work. (LCD “code” blinks.)
For details, refer to the table in next page.

4. Define the setting contents. (Modes 44, 45)
Define by pushing the timer button.
After defining, LCD “code” changes blinking to ON.

5. Return to the normal operation mode.
Push the button one time.

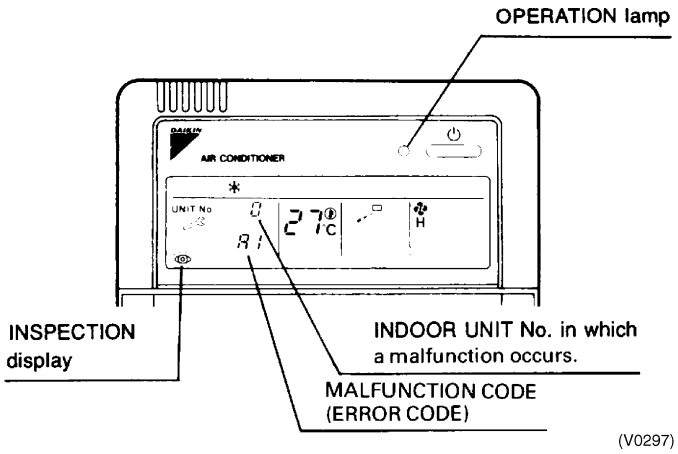
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Mode No	Function	Contents and operation method	Remote controller display example
40	Malfunction hysteresis display	Display malfunction hysteresis. The history No. can be changed with the button.	
41	Display of sensor and address data	Display various types of data. Select the data to be displayed with the button. Sensor data 0: Thermostat sensor in remote controller. 1: Suction 2: Liquid pipe 3: Gas pipe Address data 4: Indoor unit address 5: Outdoor unit address 6: BS unit address 7: Zone control address 8: Cool/heat group address 9: Demand / low noise address	
43	Forced fan ON	Manually turn the fan ON by each unit. (When you want to search for the unit No.) By selecting the unit No. with the button, you can turn the fan of each indoor unit on (forced ON) individually.	
44	Individual setting	Set the fan speed and air flow direction by each unit Select the unit No. with the time mode button. Set the fan speed with the button. Set the air flow direction with the button.	
45	Unit No. transfer	Transfer unit No. Select the unit No. with the button. Set the unit No. after transfer with the button.	
46 47	This function is not used by VRV II R410A Heat Pump 50Hz.		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1.6 Remote Controller Self-Diagnosis Function

The remote controller switches are equipped with a self diagnosis function so that more appropriate maintenance can be carried out. If a malfunction occurs during operation, the operation lamp, malfunction code and display of malfunctioning unit No. let you know the contents and location of the malfunction.
When there is a stop due to malfunction, the contents of the malfunction given below can be diagnosed by a combination of operation lamp, INSPECTION display of the liquid crystal display and display of malfunction code. It also lets you know the unit No. during group control.



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

	Malfunction code	Operation lamp	Inspection display	Unit No.	Malfunction contents	Page Referred
Indoor Unit	A0	◑	◑	◑	Error of external protection device	178
	A1	◑	◑	◑	PC board defect, E^2 PROM defect	179
	A3	◑	◑	◑	Malfunction of drain level control system (33H)	180
	A6	◑	◑	◑	Fan motor (MF) lock, overload	182
	A7	○	●	◑	Malfunction of swing flap motor (MA)	183
	A9	◑	◑	◑	Malfunction of moving part of electronic expansion valve (20E)	185
	AF	○	●	◑	Drain level about limit	187
	AH	○	●	◑	Malfunction of air filter maintenance	—
	AJ	◑	◑	◑	Malfunction of capacity setting	188
	C4	◑	◑	◑	Malfunction of thermistor (R2T) for heat exchange (loose connection, disconnection, short circuit, failure)	189
	C5	◑	◑	◑	Malfunction of thermistor (R3T) for gas pipes (loose connection, disconnection, short circuit, failure)	190
	C9	◑	◑	◑	Malfunction of thermistor (R1T) for air inlet (loose connection, disconnection, short circuit, failure)	191
	CJ	○	○	○	Malfunction of thermostat sensor in remote controller	192
Outdoor Unit	E1	◑	◑	◑	PC board defect	193
	E3	◑	◑	◑	Actuation of high pressure switch	194
	E4	◑	◑	◑	Actuation of low pressure sensor	195
	E5	◑	◑	◑	Compressor motor lock	196
	E6	◑	◑	◑	Standard compressor lock or over current	197
	E7	◑	◑	◑	Malfunction of outdoor unit fan motor	198
	E9	◑	◑	◑	Malfunction of moving part of electronic expansion valve (Y1E~3E)	200
	F3	◑	◑	◑	Abnormal discharge pipe temperature	202
	F6	◑	◑	◑	Refrigerant overcharged	203
	H3	○	●	◑	Malfunction of High pressure switch	—
	H4	◑	◑	◑	Actuation of Low pressure switch	—
	H7	◑	◑	◑	Abnormal outdoor fan motor signal	204
	H9	◑	◑	◑	Malfunction of thermistor (R1T) for outdoor air (loose connection, disconnection, short circuit, failure)	205
	J2	◑	◑	◑	Current sensor malfunction	206
	J3	◑	◑	◑	Malfunction of discharge pipe thermistor (R31~33T) (loose connection, disconnection, short circuit, failure)	207
	J5	◑	◑	◑	Malfunction of thermistor (R2T) for suction pipe (loose connection, disconnection, short circuit, failure)	208
	J6	◑	◑	◑	Malfunction of thermistor (R4T) for heat exchanger (loose connection, disconnection, short circuit, failure)	209
	J7	◑	◑	◑	Malfunction of header thermistor	—
	J8	◑	◑	◑	Malfunction of thermistor (R7T) for oil equalizing pipe. (loose connection, disconnection, short circuit, failure)	—
	J9	◑	◑	◑	Malfunction of receiver gas pipe thermistor (R5T)	210
	JA	◑	◑	◑	Malfunction of discharge pipe pressure sensor	211
	JC	◑	◑	◑	Malfunction of suction pipe pressure sensor	212
	L0	◑	◑	◑	Inverter system error	—
	L4	◑	◑	◑	Malfunction of inverter radiating fin temperature rise	213
	L5	◑	◑	◑	Inverter compressor motor grounding, short circuit	214
	L6	◑	◑	◑	Compressor motor coil grounding on short circuit	—
	L8	◑	◑	◑	Inverter current abnormal	215
	L9	◑	◑	◑	Inverter start up error	216

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

	Malfunction code	Operation lamp	Inspection display	Unit No.	Malfunction contents	Page Referred
Outdoor Unit	LA	◑	◑	◑	Malfunction of power unit	—
	LC	◑	◑	◑	Malfunction of transmission between inverter and control PC board	217
	P1	◑	◑	◑	Inverter over-ripple protection	219
	P4	◑	◑	◑	Malfunction of inverter radiating fin temperature rise sensor	220
System	U0	○	●	◑	Low pressure drop due to refrigerant shortage or electronic expansion valve failure	221
	U1	◑	◑	◑	Reverse phase / open phase	222
	U2	◑	◑	◑	Power supply insufficient or instantaneous failure	223
	U3	◑	◑	◑	Check operation is not conducted.	225
	U4	◑	◑	◑	Malfunction of transmission between indoor and outdoor units	226
	U5	◑	◑	◑	Malfunction of transmission between remote controller and indoor unit	228
	U5	●	○	●	Failure of remote controller PC board or setting during control by remote controller	228
	U7	◑	◑	◑	Malfunction of transmission between outdoor units	229
	U8	◑	◑	●	Malfunction of transmission between master and slave remote controllers (malfunction of slave remote controller)	231
	U9	◑	◑	◑	Malfunction of transmission between indoor unit and outdoor unit in the same system	232
	UA	◑	◑	◑	Excessive number of indoor units etc.	234
	UC	○	○	○	Address duplication of central remote controller	235
	UE	◑	◑	◑	Malfunction of transmission between central remote controller and indoor unit	236 240 246
	UF	◑	◑	◑	Refrigerant system not set, incompatible wiring / piping	238
	UH	◑	◑	◑	Malfunction of system, refrigerant system address undefined	239
Centralized Control and Schedule Timer	M1	○ or ●	◑	◑	PC board defect	241 248
	M8	○ or ●	◑	◑	Malfunction of transmission between optional controllers for centralized control	242 249
	MA	○ or ●	◑	◑	Improper combination of optional controllers for centralized control	243 250
	MC	○ or ●	◑	◑	Address duplication, improper setting	245 252
Heat Reclaim Ventilation	64	○	●	◑	Indoor unit's air thermistor error	—
	65	○	●	◑	Outside air thermistor error	—
	68	○	●	◑		—
	6A	○	●	◑	Damper system alarm	—
	6A	◑	◑	◑	Damper system + thermistor error	—
	6F	○	●	◑	Malfunction of simple remote controller	—
	6H	○	●	◑	Malfunction of door switch or connector	—
	94	◑	◑	◑	Internal transmission error	—

The system operates for malfunction codes indicated in black squares, however, be sure to check and repair.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Malfunction code indication by outdoor unit PCB

To enter the monitor mode, push the MODE button (BS1) when in “Setting mode 1”.

* Refer P.124 for Monitor mode.

<Selection of setting item>

Push the SET button (BS2) and set the LED display to a setting item.

* Refer P.124 for Monitor mode.

<Confirmation of malfunction 1>

Push the RETURN button (BS3) once to display "First digit" of malfunction code.

<Confirmation of malfunction 2>

Push the SET button (BS2) once to display "Second digit" of malfunction code.

<Confirmation of malfunction 3>

Push the SET button (BS2) once to display "master or slave1 or slave2" and "malfunction location".

Detail description on next page.

Push the RETURN button (BS3) and switches to the initial status of “Monitor mode”.

* Push the MODE button (BS1) and returns to “Setting mode 1”.

Contents of malfunction		Malfunction code
Abnormal discharge pressure	HPS activated	E3
Abnormal suction pressure	Abnormal Pe	E4
Compressor lock	Detection of INV compressor lock	E5
Activation of OC	Detection of STD1 compressor lock	E6
	Detection of STD2 compressor lock	
Over load, over current,	Instantaneous over current of DC fan motor	E7
abnormal lock of outdoor unit fan motor	Detection of DC fan motor lock	
Malfunction of electronic expansion valve	EV1	E9
	EV2	
	EV3	
Abnormal position signal of outdoor unit fan motor	Abnormal position signal of DC fan motor	H7
Faulty sensor of outdoor air temperature	Faulty Ta sensor	H9
Faulty sensor of heat storage unit		HC
Abnormality in water system of heat storage unit		HJ
Transmission error between heat storage unit and controller		HF
Abnormal discharge pipe temperature	Abnormal Td	F3
Abnormal heat exchanger temperature	Refrigerant over charge	F6
Faulty current sensor	Faulty CT1 sensor	J2
	Faulty CT2 sensor	
Faulty sensor of discharge pipe temperature	Faulty Tdi sensor	J3
	Faulty Tds1 sensor	
	Faulty Tds2 sensor	
Faulty sensor of suction pipe temperature	Faulty Ts sensor	J5
Faulty sensor of heat exchanger temperature	Faulty Tb sensor	J6
Faulty sensor of receiver temperature	Faulty Tl sensor	J7
Faulty sensor of oil pressure equalizing pipe temperature	Faulty To sensor	J8
Faulty sensor of subcool heat exchanger temperature	Faulty Tsh sensor	J9
Faulty sensor of discharge pressure	Faulty Pc sensor	JA
Faulty sensor of suction pressure	Faulty Pe sensor	JC
Inverter radiation fin temperature rising	Over heating of inverter radiation fin temperature	L4
DC output over current	Inverter instantaneous over current	L5
Electronic thermal switch	Electronic thermal switch 1	L8
	Electronic thermal switch 2	
	Out-of-step	
	Speed down after startup	
	Lightening detection	
Stall prevention (Limit time)	Stall prevention (Current increasing)	L9
	Stall prevention (Faulty startup)	
	Abnormal wave form in startup	
	Out-of-step	
Transmission error between inverter and outdoor unit	Inverter transmission error	LC
Open phase/Power supply imbalance	Imbalance of inverter power supply voltage	P1
Faulty temperature sensor inside switch box	Faulty thermistor of inverter box	P3
Faulty temperature sensor of inverter radiation fin	Faulty thermistor of inverter fin	P4
Incorrect combination of inverter and fan driver	Incorrect combination of inverter and fan driver	PJ
Gas shortage	Gas shortage alarm	U0
Reverse phase	Reverse phase error	U1
Abnormal power supply voltage	Insufficient inverter voltage	U2
	Inverter open phase (phase T)	
	Charging error of capacitor in inverter main circuit	
No implementation of test-run		U3
Transmission error between indoor and outdoor unit	I/O transmission error	U4
Transmission error between outdoor units, transmission error between thermal storage units, duplication of IC address	O/O transmission error	U7
Transmission error of other system	Indoor unit system malfunction in other system or other unit of own system	U9
Erroneous on-site setting	Abnormal connection with excessive number of indoor units	UA
	Conflict of refrigerant type in indoor units	
Faulty system function	Incorrect wiring (Auto address error)	UH
Transmission error in accessory devices, conflict in wiring and piping, no setting for system	Malfunction of multi level converter, abnormality in conflict check	UJ UF

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Malfunction code	Confirmation of malfunction 1							Confirmation of malfunction 2							Confirmation of malfunction 3						
	LED1	LED2	LED3	LED4	LED5	LED6	LED7	LED1	LED2	LED3	LED4	LED5	LED6	LED7	LED1	LED2	LED3	LED4	LED5	LED6	LED7
E3	◎	●	○	●	●	◎	◎	◎	○	●	●	●	◎	◎	◎	○	○			●	●
E4								◎	○	●	●	◎	●	●	◎	○	○			●	●
E5								◎	○	●	●	◎	●	◎	◎	○	○			●	●
E6								◎	○	●	●	◎	◎	●	◎	○	○			●	◎
								◎	○	●	●	◎	◎	●	◎	○	○			◎	●
E7								◎	○	●	●	◎	◎	◎	◎	○	○			●	◎
E9								◎	○	●	◎	●	●	◎	◎	○	○			●	◎
															◎	○	○			◎	●
															◎	○	○			◎	◎
H7	◎	●	○	●	◎	●	●	◎	○	●	●	◎	◎	◎	◎	○	○			●	◎
H9								◎	○	●	◎	●	●	◎	◎	○	○			●	●
HC								◎	○	●	◎	◎	●	●	◎	○	○			●	●
HJ								◎	○	●	◎	◎	●	◎	◎	○	○			●	●
HF								◎	○	●	◎	◎	◎	◎	◎	○	○			●	●
F3	◎	●	○	●	◎	●	◎	◎	○	●	●	●	◎	◎	◎	○	○			●	●
F6								◎	○	●	●	◎	◎	●	◎	○	○			●	●
J2	◎	●	○	●	◎	◎	●	◎	○	●	●	●	◎	●	◎	○	○			●	◎
															◎	○	○			◎	●
J3								◎	○	●	●	●	◎	◎	◎	○	○			●	◎
															◎	○	○			◎	●
															◎	○	○			◎	◎
J5								◎	○	●	●	◎	●	◎	◎	○	○			●	●
J6								◎	○	●	●	◎	◎	●	◎	○	○			●	●
J7								◎	○	●	●	◎	◎	◎	◎	○	○			●	●
J8								◎	○	●	◎	●	●	●	◎	○	○			●	●
J9								◎	○	●	◎	●	●	◎	◎	○	○			●	●
JA								◎	○	●	◎	●	◎	●	◎	○	○			●	●
JC								◎	○	●	◎	◎	●	●	◎	○	○			●	●
L4								◎	○	●	●	◎	●	●	◎	○	○			●	●
L5								◎	○	●	●	◎	●	◎	◎	○	○			●	●
L8								◎	○	●	◎	●	●	●	◎	○	○			●	●
L9								◎	○	●	◎	●	●	◎	◎	○	○			●	●
LC								◎	○	●	◎	◎	●	●	◎	○	○			●	●
P1	◎	●	○	◎	●	●	●	◎	○	●	●	●	●	◎	◎	○	○			●	●
P3								◎	○	●	●	●	◎	◎	◎	○	○			●	●
P4								◎	○	●	●	◎	●	●	◎	○	○			●	●
PJ								◎	○	●	◎	◎	●	◎	◎	○	○			●	●
U0	◎	●	○	◎	●	●	◎	◎	○	●	●	●	●	●	◎	○	○			●	●
U1								◎	○	●	●	●	●	◎	◎	○	○			●	●
U2								◎	○	●	●	●	◎	●	◎	○	○			●	●
U3								◎	○	●	●	●	◎	◎	◎	○	○			●	●
U4								◎	○	●	●	◎	●	●	◎	○	○			●	●
U7								◎	○	●	●	◎	◎	◎	◎	○	○			●	●
U9								◎	○	●	◎	●	●	◎	◎	○	○			●	●
UA								◎	○	●	◎	●	◎	●	◎	○	○			●	●
UH								◎	○	●	◎	●	◎	◎	◎	○	○			●	●
UJ								◎	○	●	◎	◎	●	◎	◎	○	○			●	●
UF								◎	○	●	◎	◎	◎	◎	◎	○	○			●	●

○ : ON
◎ : Blink
● : OFF

Malfunction code 1st digit display section

○ : ON
◎ : Blink
● : OFF

Malfunction code 2nd digit display section

Master	●	●
Slave 1	●	◎
Slave 2	◎	●

Malfunction location

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2. Troubleshooting by Indication on the Remote Controller

2.1 "A0" Indoor Unit: Error of External Protection Device

Remote Controller Display

A0

Applicable Models

All indoor unit models

Method of Malfunction Detection

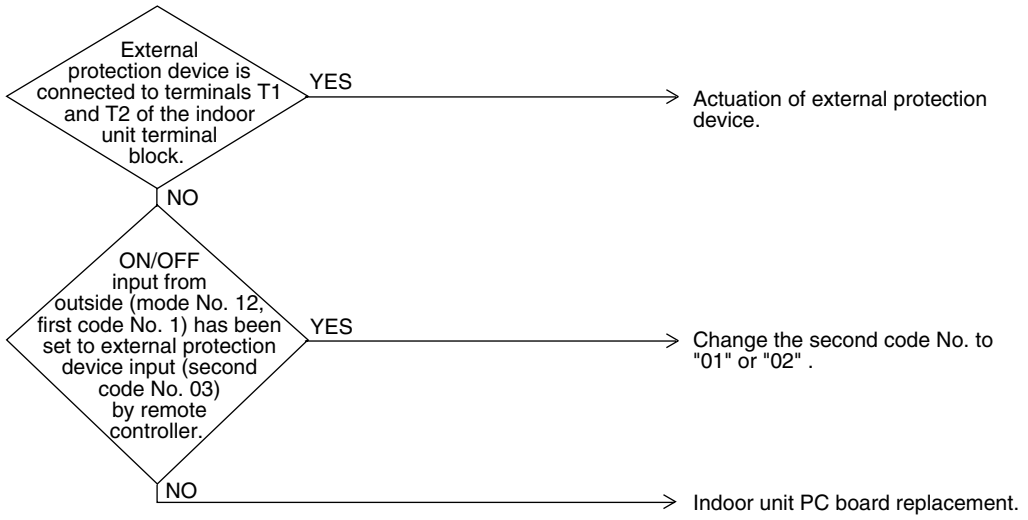
Malfunction Decision Conditions

Supposed Causes

- Actuation of external protection device
- Improper field set
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


External protection device is connected to terminals T1 and T2 of the indoor unit terminal block.
YES
Actuation of external protection device.
NO
ON/OFF input from outside (mode No. 12, first code No. 1) has been set to external protection device input (second code No. 03) by remote controller.
YES
Change the second code No. to "01" or "02" .
NO
Indoor unit PC board replacement.

(V2776)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.2 "A1" Indoor Unit: PC Board Defect

Remote Controller Display

A1

Applicable Models

All indoor unit models

Method of Malfunction Detection

Check data from E²PROM.

Malfunction Decision Conditions

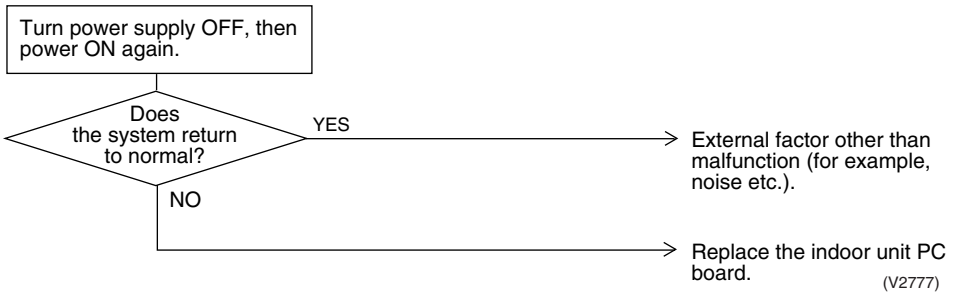
When data could not be correctly received from the E²PROM
E²PROM : Type of nonvolatile memory. Maintains memory contents even when the power supply is turned off.

Supposed Causes

- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Turn power supply OFF, then power ON again.
Does the system return to normal?
YES
External factor other than malfunction (for example, noise etc.).
NO
Replace the indoor unit PC board.
(V2777)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

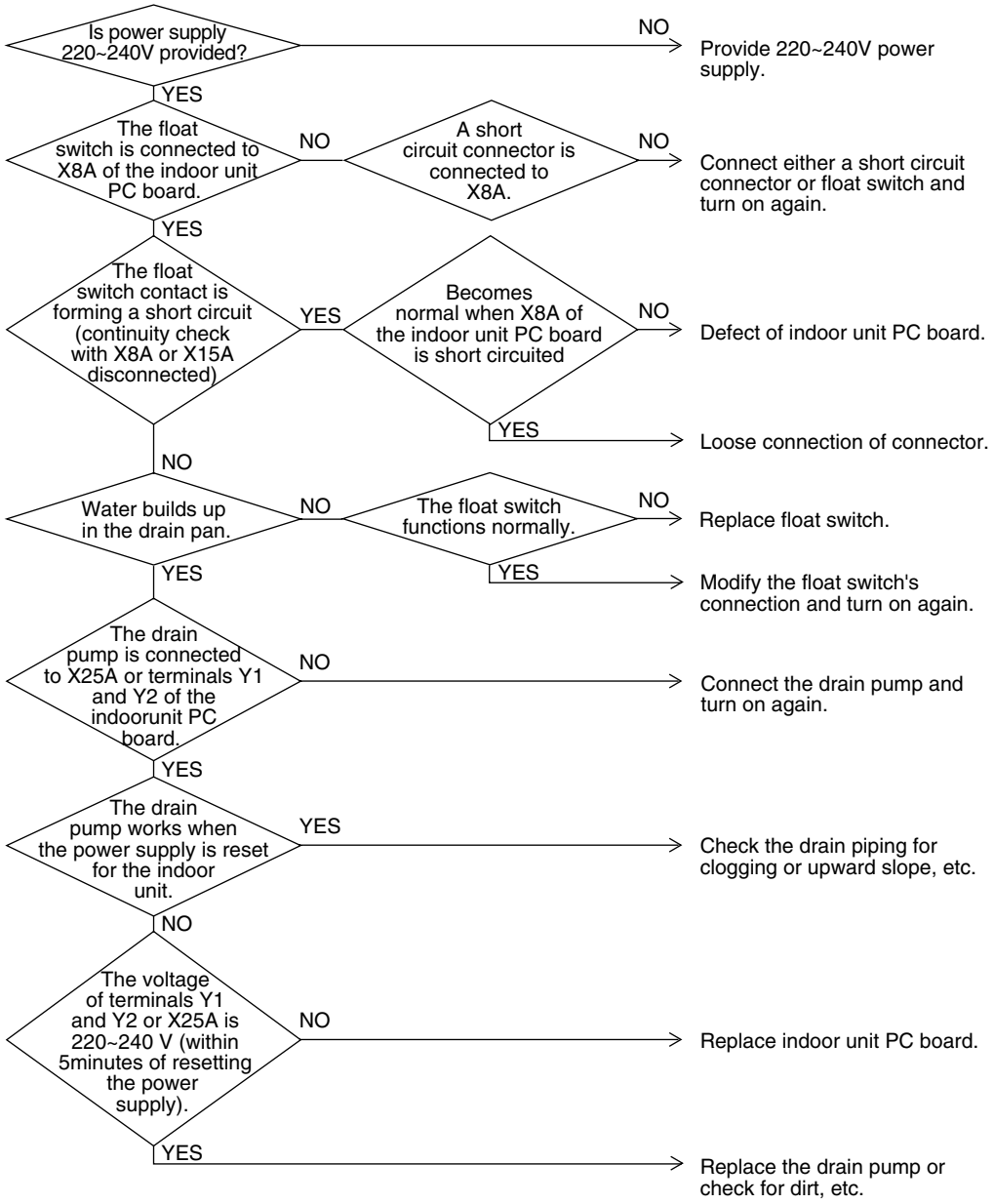
2.3 "A3" Indoor Unit: Malfunction of Drain Level Control System (33H)

Remote Controller Display	A3
Applicable Models	FXC, FXF, FXS, FXA, FXK, FXH (Option) , FXM (Option), FXYB
Method of Malfunction Detection	By float switch OFF detection
Malfunction Decision Conditions	When rise of water level is not a condition and the float switch goes OFF.
Supposed Causes	■ 220~240V power supply is not provided ■ Defect of float switch or short circuit connector ■ Defect of drain pump ■ Drain clogging, upward slope, etc. ■ Defect of indoor unit PC board ■ Loose connection of connector

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is power supply 220~240V provided?
NO
Provide 220~240V power supply.
YES
The float switch is connected to X8A of the indoor unit PC board.
NO
A short circuit connector is connected to X8A.
NO
Connect either a short circuit connector or float switch and turn on again.
YES
The float switch contact is forming a short circuit (continuity check with X8A or X15A disconnected)
YES
Becomes normal when X8A of the indoor unit PC board is short circuited
NO
Defect of indoor unit PC board.
YES
Loose connection of connector.
NO
Water builds up in the drain pan.
NO
The float switch functions normally.
NO
Replace float switch.
YES
YES
Modify the float switch's connection and turn on again.
The drain pump is connected to X25A or terminals Y1 and Y2 of the indoorunit PC board.
NO
Connect the drain pump and turn on again.
YES
The drain pump works when the power supply is reset for the indoor unit.
YES
Check the drain piping for clogging or upward slope, etc.
NO
The voltage of terminals Y1 and Y2 or X25A is 220~240 V (within 5minutes of resetting the power supply).
NO
Replace indoor unit PC board.
YES
Replace the drain pump or check for dirt, etc.

(V2778)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.4 "A6" Indoor Unit: Fan Motor (M1F) Lock, Overload

Remote Controller Display

A6

Applicable Models

All indoor units

Method of Malfunction Detection

Detection by failure of signal for detecting number of turns to come from the fan motor

Malfunction Decision Conditions

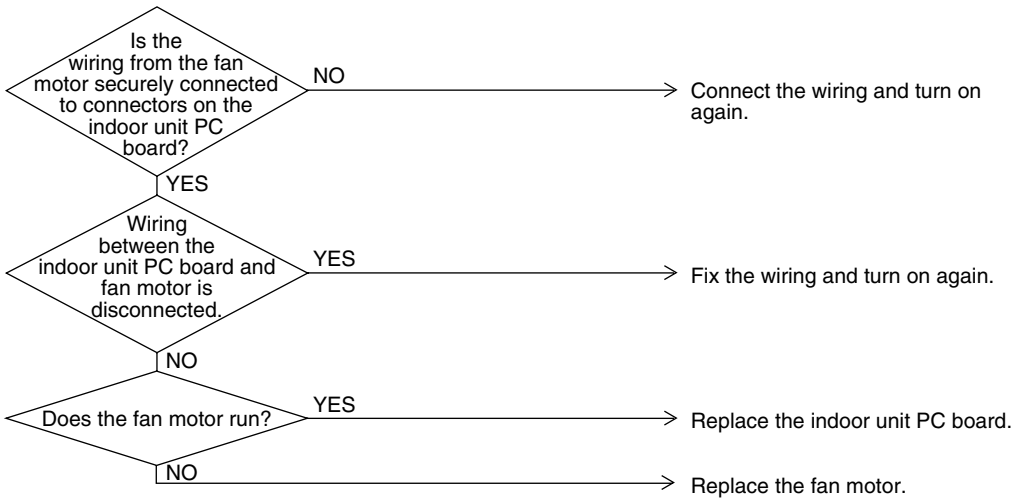
When number of turns can't be detected even when output voltage to the fan is maximum

Supposed Causes

- Fan motor lock
- Disconnected or faulty wiring between fan motor and PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the wiring from the fan motor securely connected to connectors on the indoor unit PC board?
NO
Connect the wiring and turn on again.
YES
Wiring between the indoor unit PC board and fan motor is disconnected.
YES
Fix the wiring and turn on again.
NO
Does the fan motor run?
YES
Replace the indoor unit PC board.
NO
Replace the fan motor.

(V2779)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

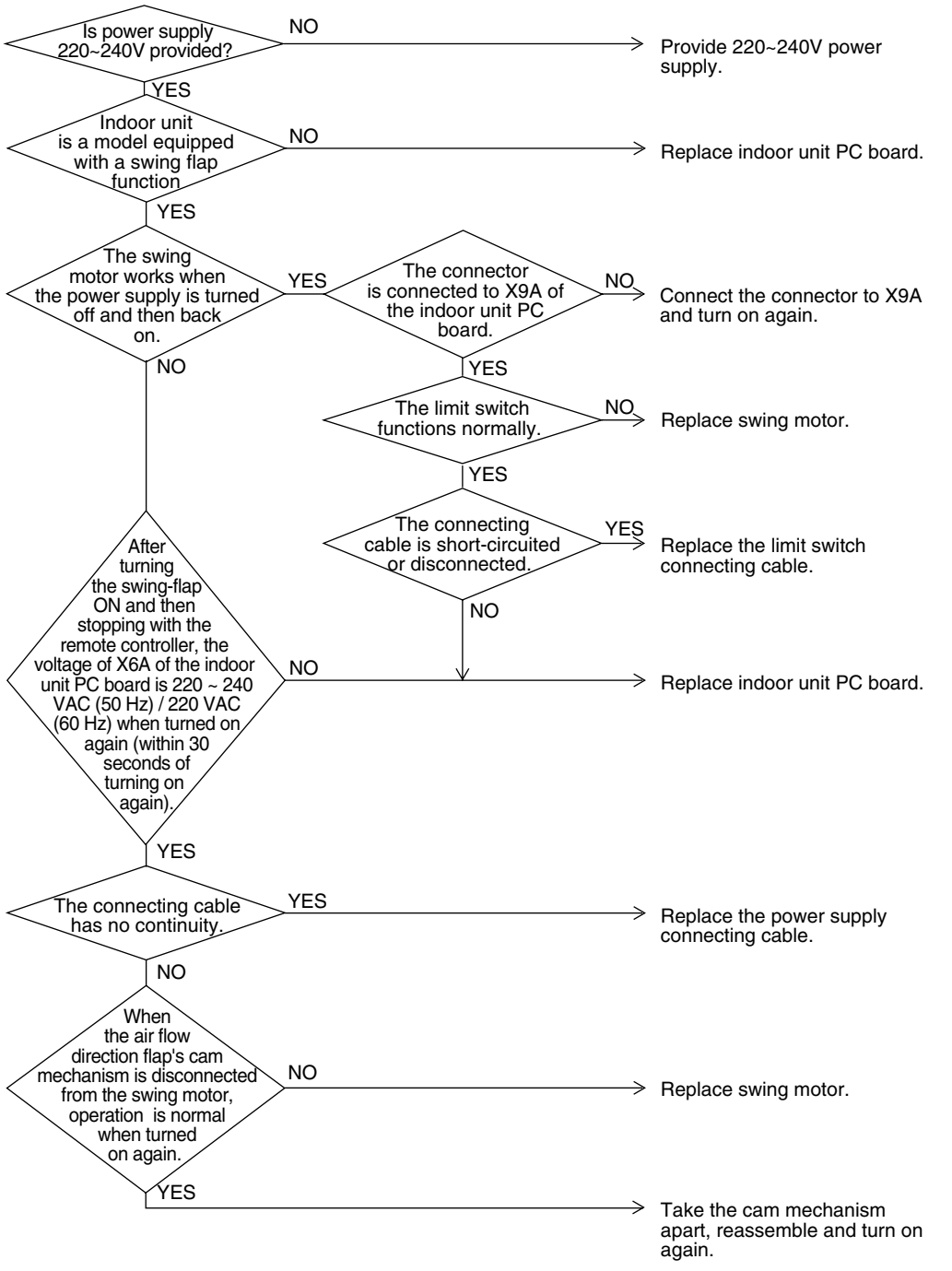
2.5 "A7" Indoor Unit: Malfunction of Swing Flap Motor (MA)

Remote Controller Display	A7
Applicable Models	FXC, FXA, FXF, FXH, FXK
Method of Malfunction Detection	Utilizes ON/OFF of the limit switch when the motor turns.
Malfunction Decision Conditions	When ON/OFF of the microswitch for positioning cannot be reversed even though the swing flap motor is energized for a specified amount of time (about 30 seconds).
Supposed Causes	■ Defect of swing motor ■ Defect of connection cable (power supply and limit switch) ■ Defect of air flow direction adjusting flap-cam ■ Defect of indoor unit PC board

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is power supply 220~240V provided?
NO
Provide 220~240V power supply.
YES
Indoor unit is a model equipped with a swing flap function
NO
Replace indoor unit PC board.
YES
The swing motor works when the power supply is turned off and then back on.
YES
The connector is connected to X9A of the indoor unit PC board.
NO
Connect the connector to X9A and turn on again.
NO
YES
The limit switch functions normally.
NO
Replace swing motor.
YES
The connecting cable is short-circuited or disconnected.
YES
Replace the limit switch connecting cable.
NO
After turning the swing-flap ON and then stopping with the remote controller, the voltage of X6A of the indoor unit PC board is 220 ~ 240 VAC (50 Hz) / 220 VAC (60 Hz) when turned on again (within 30 seconds of turning on again).
NO
Replace indoor unit PC board.
YES
The connecting cable has no continuity.
YES
Replace the power supply connecting cable.
NO
When the air flow direction flap's cam mechanism is disconnected from the swing motor, operation is normal when turned on again.
NO
Replace swing motor.
YES
Take the cam mechanism apart, reassemble and turn on again.

(V2780)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.6 "A9" Indoor Unit: Malfunction of Moving Part of Electronic Expansion Valve (20E)

Remote Controller Display

A9

Applicable Models

All indoor unit models

Method of Malfunction Detection

Detection by failure of signal for detecting number of turns to come from the fan motor

Malfunction Decision Conditions

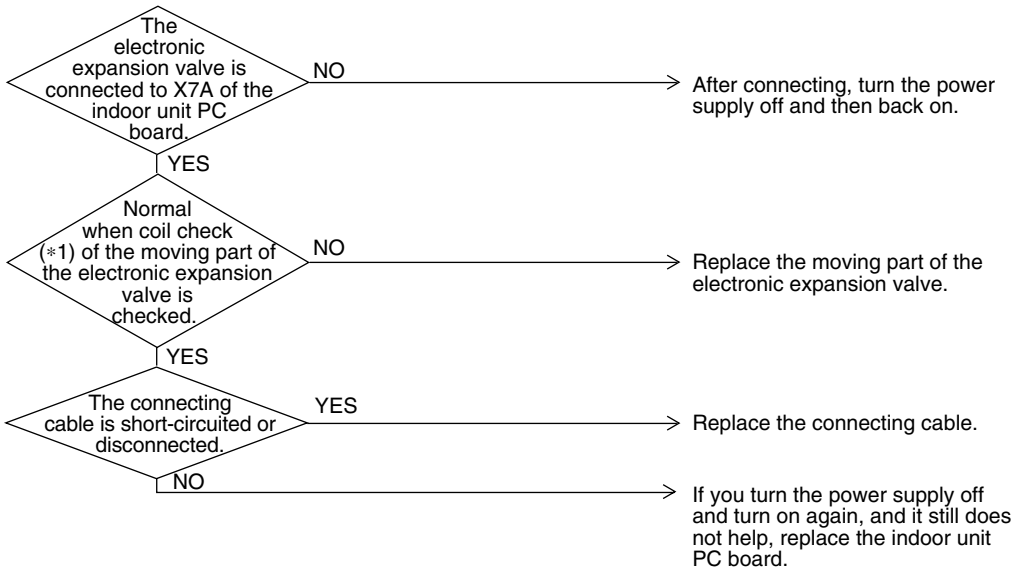
When number of turns can't be detected even when output voltage to the fan is maximum

Supposed Causes

- Malfunction of moving part of electronic expansion valve
- Defect of indoor unit PC board
- Defect of connecting cable

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The electronic expansion valve is connected to X7A of the indoor unit PC board.
NO
After connecting, turn the power supply off and then back on.
YES
Normal when coil check (*1) of the moving part of the electronic expansion valve is checked.
NO
Replace the moving part of the electronic expansion valve.
YES
The connecting cable is short-circuited or disconnected.
YES
Replace the connecting cable.
NO
If you turn the power supply off and turn on again, and it still does not help, replace the indoor unit PC board.

(V2781)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

∗1: Coil check method for the moving part of the electronic expansion valve
Discount the electronic expansion valve from the PC board and check the continuity between the connector pins.

(Normal)

Pin No.	1. White	2. Yellow	3. Orange	4. Blue	5. Red	6. Brown
1. White		×	○ Approx. 300Ω	×	○ Approx. 150Ω	×
2. Yellow			×	○ Approx. 300Ω	×	○ Approx. 150Ω
3. Orange				×	○ Approx. 150Ω	×
4. Blue					×	○ Approx. 150Ω
5. Red						×
6. Brown						

○: Continuity
×: No continuity

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.7 "AF" Indoor Unit: Drain Level above Limit

Remote Controller Display

AF

Applicable Models

FXC, FXF, FXS, FXK, FXM, FXYB

Method of Malfunction Detection

Water leakage is detected based on float switch ON/OFF operation while the compressor is in non-operation.

Malfunction Decision Conditions

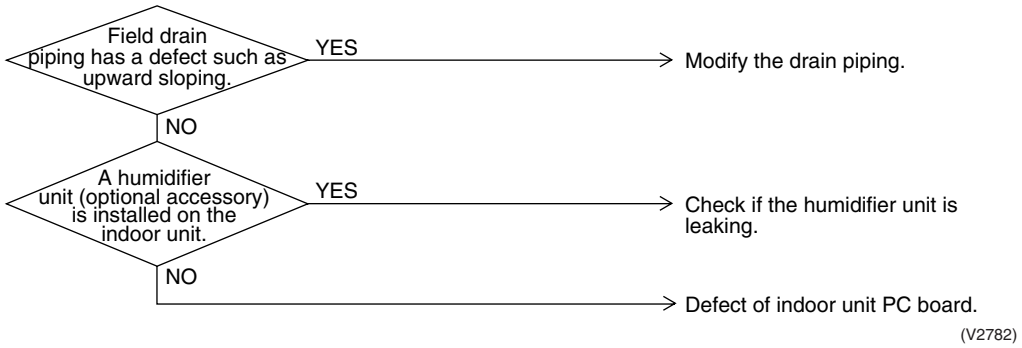
When the float switch changes from ON to OFF while the compressor is in non-operation.

Supposed Causes

- Humidifier unit (optional accessory) leaking
- Defect of drain pipe (upward slope, etc.)
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Field drain piping has a defect such as upward sloping.
YES
Modify the drain piping.
NO
A humidifier unit (optional accessory) is installed on the indoor unit.
YES
Check if the humidifier unit is leaking.
NO
Defect of indoor unit PC board.

(V2782)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.8 "AJ" Indoor Unit: Malfunction of Capacity Determination Device

Remote controller display

AJ

Applicable Models

All indoor unit models

Method of Malfunction Detection

Capacity is determined according to resistance of the capacity setting adaptor and the memory inside the IC memory on the indoor unit PC board, and whether the value is normal or abnormal is determined.

Malfunction Decision Conditions

Operation and:

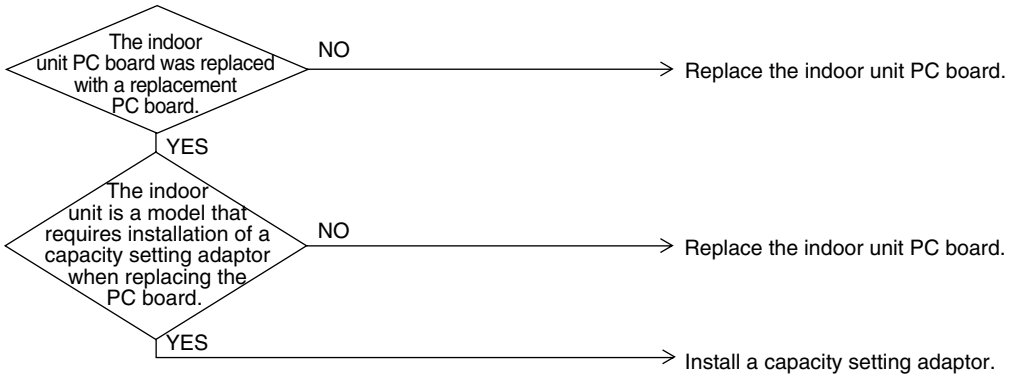
1. When the capacity code is not contained in the PC board's memory, and the capacity setting adaptor is not connected.
2. When a capacity that doesn't exist for that unit is set.

Supposed Causes

- You have forgotten to install the capacity setting adaptor.
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The indoor unit PC board was replaced with a replacement PC board.
NO
Replace the indoor unit PC board.
YES
The indoor unit is a model that requires installation of a capacity setting adaptor when replacing the PC board.
NO
Replace the indoor unit PC board.
YES
Install a capacity setting adaptor.

(V2783)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.9 "C4" Indoor Unit: Malfunction of Thermistor (R2T) for Heat Exchanger

Remote Controller Display

C4

Applicable Models

All indoor unit models

Method of Malfunction Detection

Malfunction detection is carried out by temperature detected by heat exchanger thermistor.

Malfunction Decision Conditions

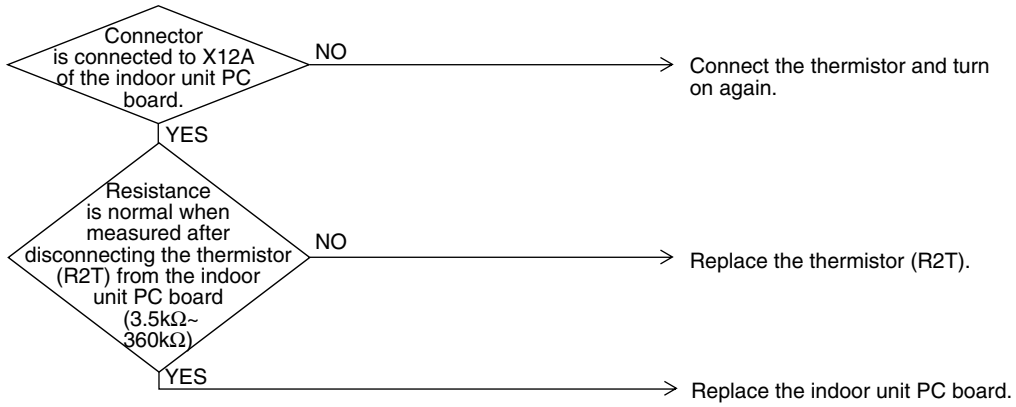
When the heat exchanger thermistor becomes disconnected or shorted while the unit is running.

Supposed Causes

- Defect of thermistor (R2T) for liquid pipe
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X12A of the indoor unit PC board.
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor (R2T) from the indoor unit PC board (3.5kΩ~ 360kΩ)
NO
Replace the thermistor (R2T).
YES
Replace the indoor unit PC board.

(V2784)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.10 "C5" Indoor Unit: Malfunction of Thermistor (R3T) for Gas Pipes

Remote Controller Display

C5

Applicable Models

All indoor unit models

Method of Malfunction Detection

Malfunction detection is carried out by temperature detected by gas pipe thermistor.

Malfunction Decision Conditions

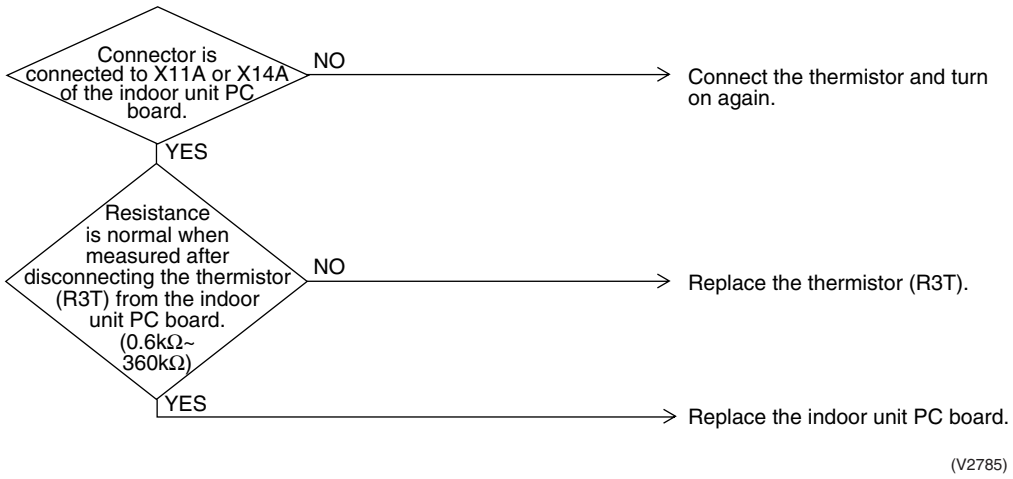
When the gas pipe thermistor becomes disconnected or shorted while the unit is running.

Supposed Causes

- Defect of indoor unit thermistor (R3T) for gas pipe
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X11A or X14A of the indoor unit PC board.
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor (R3T) from the indoor unit PC board. (0.6kΩ~ 360kΩ)
NO
Replace the thermistor (R3T).
YES
Replace the indoor unit PC board.
(V2785)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.11 "C9" Indoor Unit: Malfunction of Thermistor (R1T) for Suction Air

Remote Controller Display

C9

Applicable Models

All indoor unit models

Method of Malfunction Detection

Malfunction detection is carried out by temperature detected by suction air temperature thermistor.

Malfunction Decision Conditions

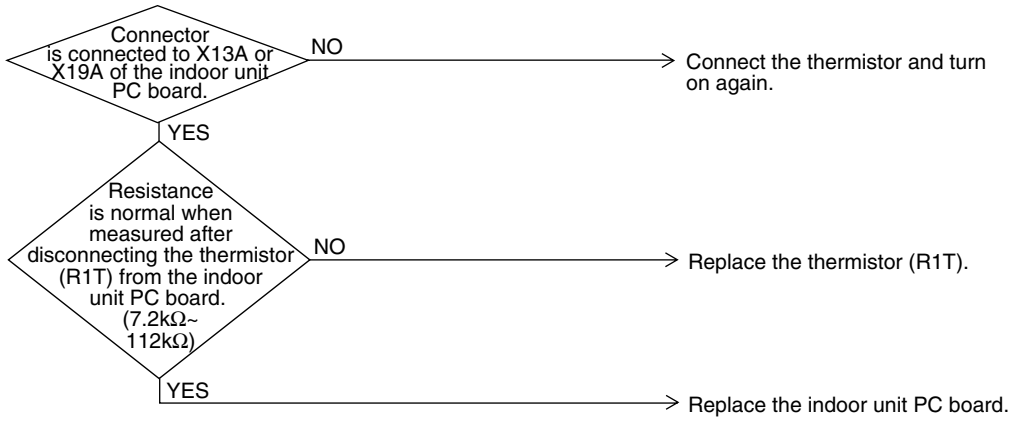
When the suction air temperature thermistor becomes disconnected or shorted while the unit is running.

Supposed Causes

- Defect of indoor unit thermistor (R1T) for air inlet
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X13A or X19A of the indoor unit PC board.
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor (R1T) from the indoor unit PC board. (7.2kΩ~ 112kΩ)
NO
Replace the thermistor (R1T).
YES
Replace the indoor unit PC board.
(V2786)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.12 "CJ" Indoor Unit: Malfunction of Thermostat Sensor in Remote Controller

Remote Controller Display

CJ

Applicable Models

All indoor unit models

Method of Malfunction Detection

Malfunction detection is carried out by temperature detected by remote controller air temperature thermistor. (Note1)

Malfunction Decision Conditions

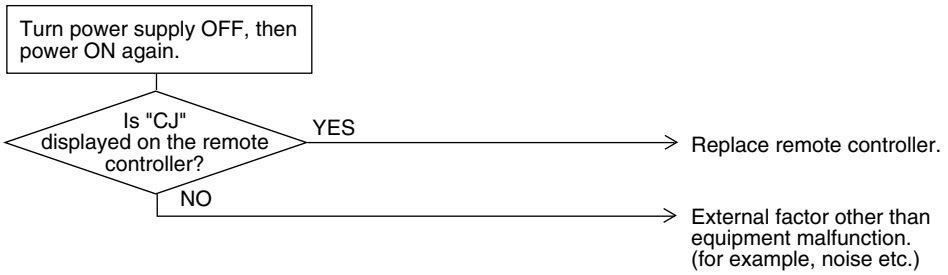
When the remote controller air temperature thermistor becomes disconnected or shorted while the unit is running.

Supposed Causes

- Defect of remote controller thermistor
- Defect of remote controller PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Turn power supply OFF, then power ON again.
Is "CJ" displayed on the remote controller?
YES
Replace remote controller.
NO
External factor other than equipment malfunction. (for example, noise etc.)

(V2787)

Note: In case of remote controller thermistor malfunction, unit is still operable by suction air thermistor on indoor unit.

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.13 "E1" Outdoor Unit: PC Board Defect

Remote Controller Display

E1

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Check data from E²PROM

Malfunction Decision Conditions

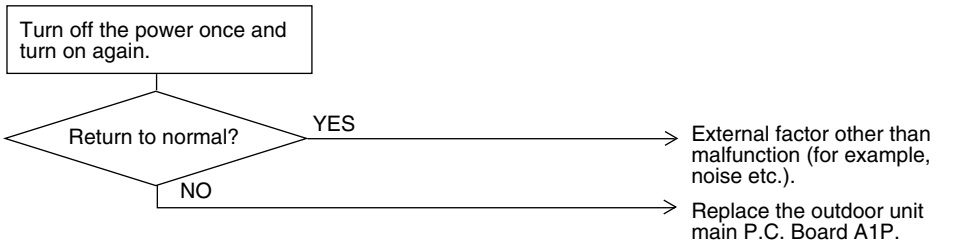
When data could not be correctly received from the E²PROM
E²PROM : Type of nonvolatile memory. Maintains memory contents even when the power supply is turned off.

Supposed Causes

- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Turn off the power once and turn on again.
Return to normal?
YES
NO
External factor other than malfunction (for example, noise etc.).
Replace the outdoor unit main P.C. Board A1P.

(V3064)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.14 "E3" Outdoor Unit: Actuation of High Pressure Switch

Remote Controller Display

E3

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Abnormality is detected when the contact of the high pressure protection switch opens.

Malfunction Decision Conditions

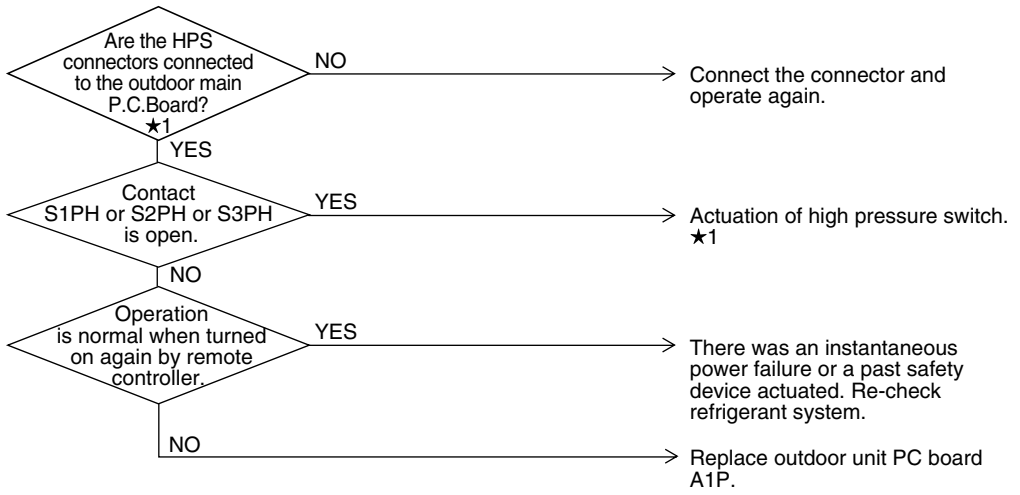
Error is generated when the HPS activation count reaches the number specific to the operation mode.

Supposed Causes

- Actuation of outdoor unit high pressure switch
- Defect of High pressure switch
- Defect of outdoor unit PC board
- Instantaneous power failure
- Faulty high pressure sensor

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Are the HPS connectors connected to the outdoor main P.C.Board? ★1
NO
Connect the connector and operate again.
YES
Contact S1PH or S2PH or S3PH is open.
YES
Actuation of high pressure switch. ★1
NO
Operation is normal when turned on again by remote controller.
YES
There was an instantaneous power failure or a past safety device actuated. Re-check refrigerant system.
NO
Replace outdoor unit PC board A1P.

(V3065)

★1: Actuation of high pressure switch (HPS)

- The outdoor unit PC board's connector is disconnected.
- Is the outdoor unit heat exchanger dirty?
- Defect of outdoor fan
- Is the refrigerant over-charged?
- Faulty high pressure sensor

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.15 "E4" Outdoor Unit: Actuation of Low Pressure Sensor

Remote Controller Display

E4

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction Decision Conditions

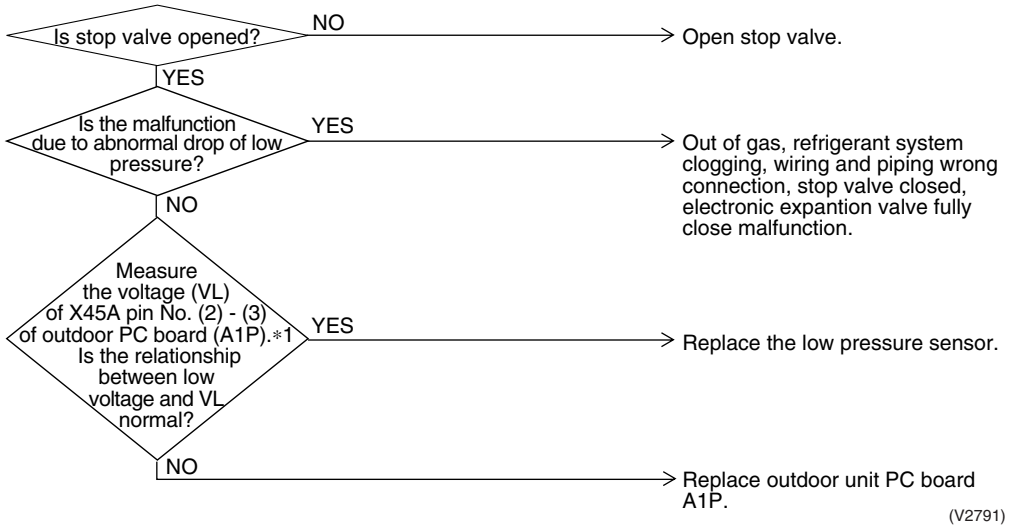
Error is generated when the low pressure is dropped under specific pressure.

Supposed Causes

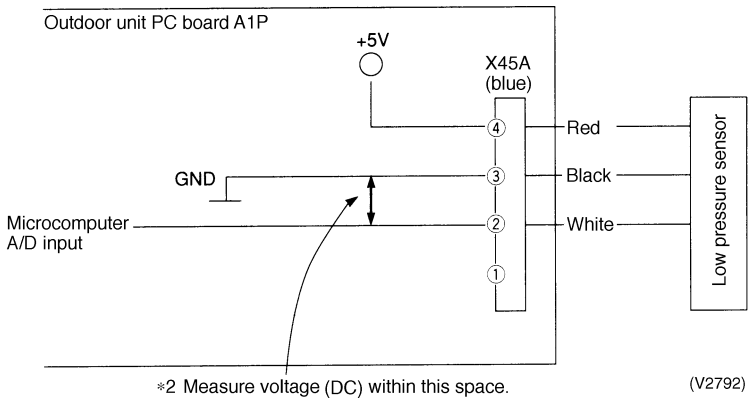
- Abnormal drop of low pressure (Refer to page106 for Low Pressure Control)
- Defect of low pressure sensor
- Defect of outdoor unit PC board
- Stop valve is not opened.

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is stop valve opened?
NO
Open stop valve.
YES
Is the malfunction due to abnormal drop of low pressure?
YES
Out of gas, refrigerant system clogging, wiring and piping wrong connection, stop valve closed, electronic expantion valve fully close malfunction.
NO
Measure the voltage (VL) of X45A pin No. (2) - (3) of outdoor PC board (A1P).*1 Is the relationship between low voltage and VL normal?
YES
Replace the low pressure sensor.
NO
Replace outdoor unit PC board A1P.
(V2791)

*1: Voltage measurement point



*2: Refer to pressure sensor, pressure / voltage characteristics table on P323.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.16 "E5" Compressor Motor Lock

Remote Controller Display

E5

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Inverter PC board takes the position signal from UVWN line connected between the inverter and compressor, and detects the position signal pattern.

Malfunction Decision Conditions

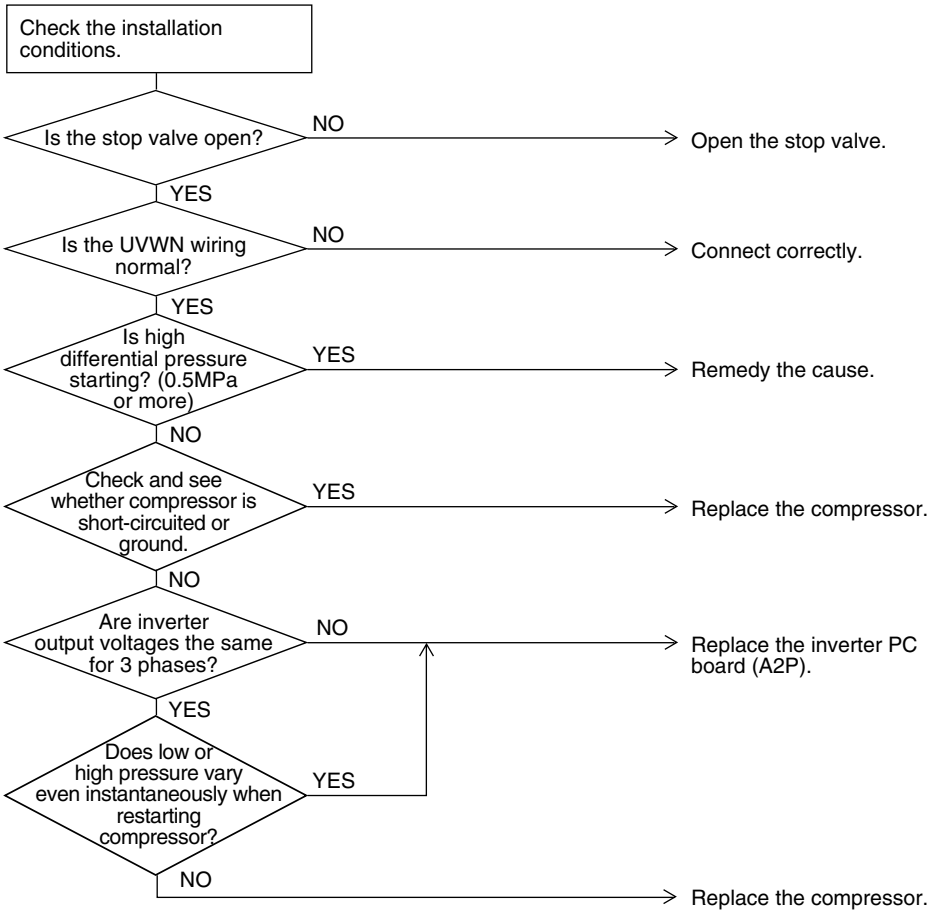
The position signal with 3 times cycle as imposed frequency is detected when compressor motor operates normally, but 2 times cycle when compressor motor locks. When the position signal in 2 times cycle is detected.

Supposed Causes

- Compressor lock
- High differential pressure (0.5MPa or more)
- Incorrect UVWN wiring
- Faulty inverter PC board
- Stop valve is left in closed.

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.



(V2793)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.17 "E6" Standard Compressor Motor Overcurrent/Lock

Remote Controller Display

E6

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Detects the overcurrent with current sensor (CT).

Malfunction Decision Conditions

Malfunction is decided when the detected current value exceeds the below mentioned value for 2 seconds.

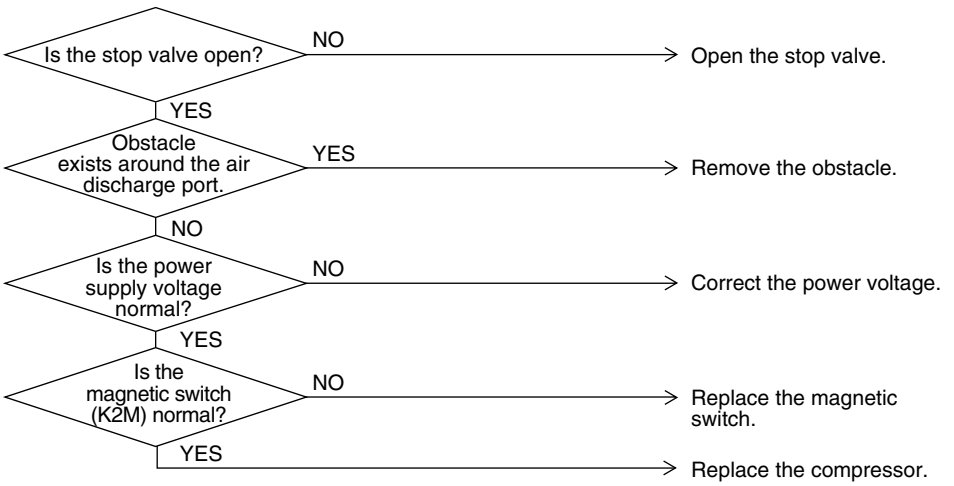
- 400 V unit : 15.0 A
- 200 V unit : 28.8 A

Supposed Causes

- Closed stop value
- Obstacles at the discharge port
- Improper power voltage
- Faulty magnetic switch
- Faulty compressor

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.



(V3051)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.18 "E7" Malfunction of Outdoor Unit Fan Motor

Remote Controller Display

E7

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction of fan motor system is detected according to the fan speed detected by hall IC when the fan motor runs.

Malfunction Decision Conditions

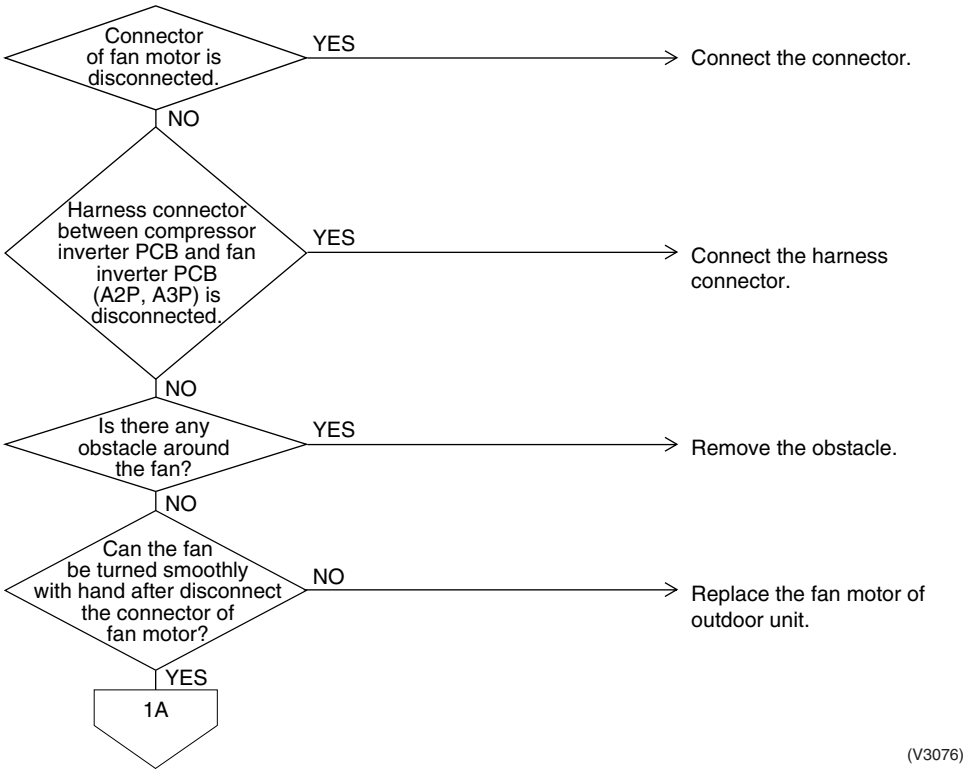
- When the fan runs with speed less than a specified one for 15 seconds or more when the fan motor running conditions are met
- When connector detecting fan speed is disconnected
- When malfunction is generated 4 times, the system shuts down.

Supposed Causes

- Malfunction of fan motor
- The harness connector between fan motor and PC board is left in disconnected, or faulty connector
- Fan does not run due to foreign matters tangled
- Clearing condition: Operate for 5 minutes (normal)

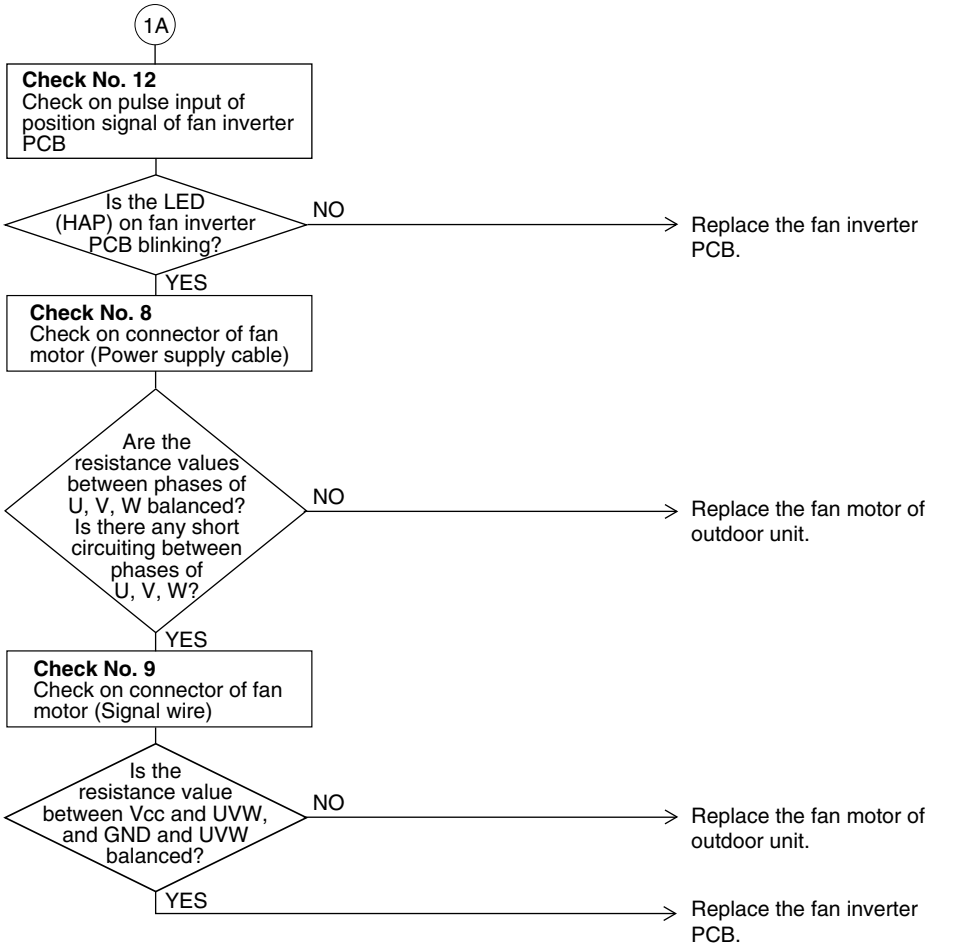
Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting


1A
Check No. 12
Check on pulse input of position signal of fan inverter PCB
Is the LED (HAP) on fan inverter PCB blinking?
NO
Replace the fan inverter PCB.
YES
Check No. 8
Check on connector of fan motor (Power supply cable)
Are the resistance values between phases of U, V, W balanced? Is there any short circuiting between phases of U, V, W?
NO
Replace the fan motor of outdoor unit.
YES
Check No. 9
Check on connector of fan motor (Signal wire)
Is the resistance value between Vcc and UVW, and GND and UVW balanced?
NO
Replace the fan motor of outdoor unit.
YES
Replace the fan inverter PCB.
(V3077)

Note: Refer check 8, 9 and 12 to P.259~260.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.19 "E9" Outdoor Unit: Malfunction of Moving Part of Electronic Expansion Valve (Y1E, Y2E)

Remote Controller Display

E9

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Check disconnection of connector
Check continuity of expansion valve coil

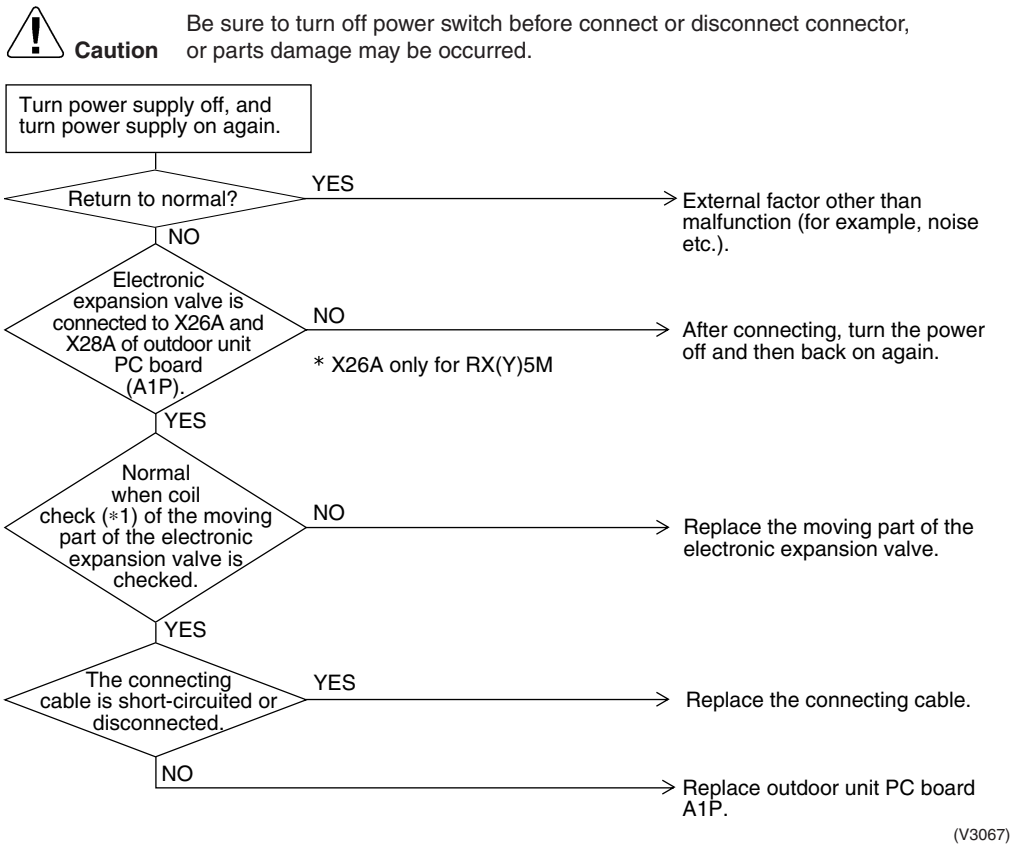
Malfunction Decision Conditions

Error is generated under no common power supply when the power is on.

Supposed Causes

- Defect of moving part of electronic expansion valve
- Defect of outdoor unit PC board (A1P)
- Defect of connecting cable

Troubleshooting


Caution
Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.
Turn power supply off, and turn power supply on again.
Return to normal?
YES
External factor other than malfunction (for example, noise etc.).
NO
Electronic expansion valve is connected to X26A and X28A of outdoor unit PC board (A1P).
NO
After connecting, turn the power off and then back on again.
* X26A only for RX(Y)5M
YES
Normal when coil check (*1) of the moving part of the electronic expansion valve is checked.
NO
Replace the moving part of the electronic expansion valve.
YES
The connecting cable is short-circuited or disconnected.
YES
Replace the connecting cable.
NO
Replace outdoor unit PC board A1P.

(V3067)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

∗1 Coil check method for the moving part of the electronic expansion valve
Disconnect the electronic expansion valve from the PC board and check the continuity between the connector pins.

(Normal)

Pin No.	1. White	2. Yellow	3. Orange	4. Blue	5. Red	6. Brown
1. White		×	◎	×	○	×
2. Yellow			×	◎	×	○
3. Orange				×	○	×
4. Blue					×	○
5. Red						×
6. Brown						

◎ : Continuity Approx. 300Ω
○ : Continuity Approx. 150Ω
× : No continuity

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.20 "F3" Outdoor Unit: Abnormal Discharge Pipe Temperature

Remote Controller Display

F3

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Abnormality is detected according to the temperature detected by the discharge pipe temperature sensor.

Malfunction Decision Conditions

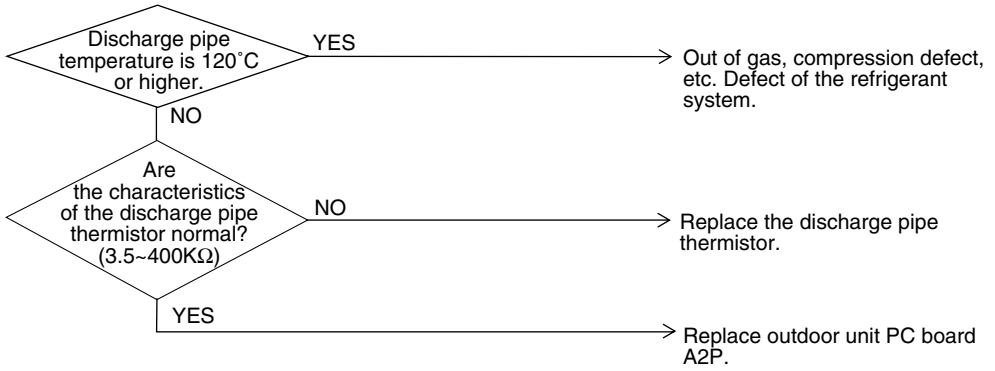
- When the discharge pipe temperature rises to an abnormally high level
- When the discharge pipe temperature rises suddenly

Supposed Causes

- Faulty discharge pipe temperature sensor
- Faulty connection of discharge pipe temperature sensor
- Faulty outdoor unit PCB

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Discharge pipe temperature is 120˚C or higher.
YES
Out of gas, compression defect, etc. Defect of the refrigerant system.
NO
Are the characteristics of the discharge pipe thermistor normal? (3.5~400KΩ)
NO
Replace the discharge pipe thermistor.
YES
Replace outdoor unit PC board A2P.

(V3068)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.21 "F6" Refrigerant Overcharged

Remote Controller Display

F6

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Refrigerant overcharge is detected from the receiver gas pipe temperature during test operation.

Malfunction Decision Conditions

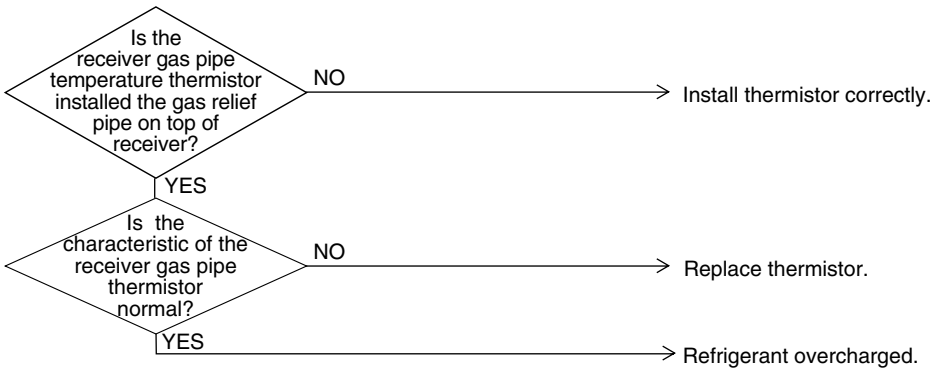
When the receiver gas pipe temperature is lower than evaporating temperature during test operation.

Supposed Causes

- Refrigerant overcharge
- Disconnection of the receiver gas pipe thermistor

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the receiver gas pipe temperature thermistor installed the gas relief pipe on top of receiver?
NO
Install thermistor correctly.
YES
Is the characteristic of the receiver gas pipe thermistor normal?
NO
Replace thermistor.
YES
Refrigerant overcharged.

(V2797)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.22 "H7" Abnormal Outdoor Fan Motor Signal

Remote Controller Display

H7

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Detection of abnormal signal from fan motor.

Malfunction Decision Conditions

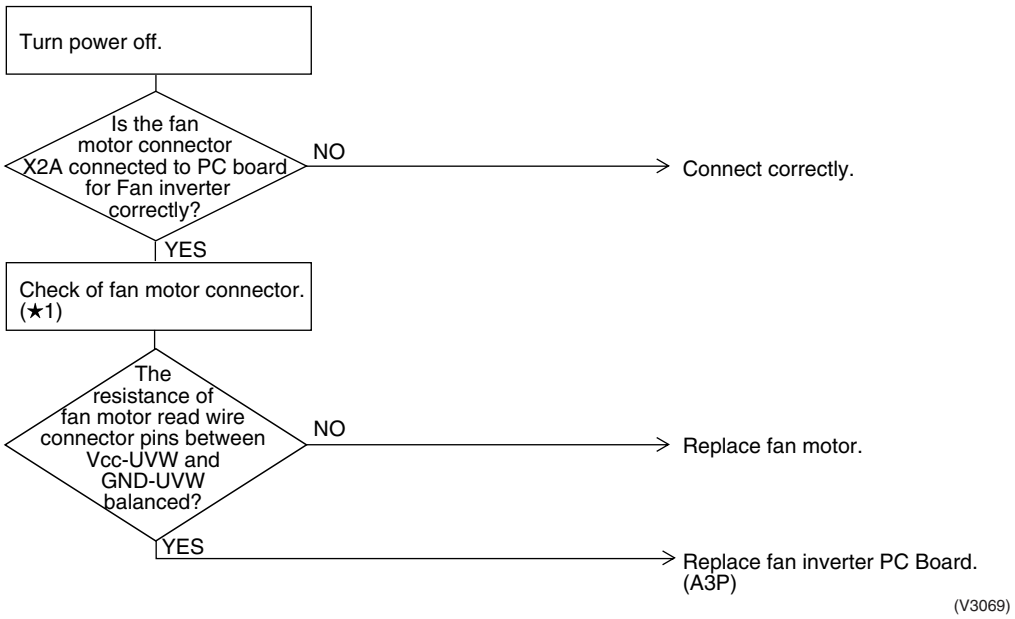
In case of detection of abnormal signal at starting fan motor.

Supposed Causes

- Abnormal fan motor signal (circuit malfunction)
- Broken, short or disconnection connector of fan motor connection cable
- Fan Inverter PC board malfunction

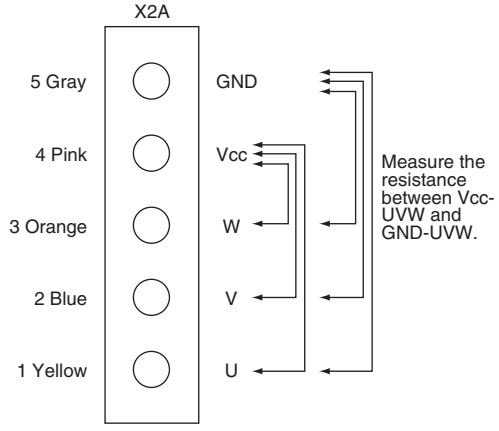
Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Turn power off.
Is the fan motor connector X2A connected to PC board for Fan inverter correctly?
NO
Connect correctly.
YES
Check of fan motor connector. (★1)
The resistance of fan motor read wire connector pins between Vcc-UVW and GND-UVW balanced?
NO
Replace fan motor.
YES
Replace fan inverter PC Board. (A3P)

(V3069)

★1: Disconnect connector (X2A) and measure the following resistance.



(V2799)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.23 "H9" Outdoor Unit: Malfunction of Thermistor for Outdoor Air (R1T)

Remote Controller Display

H9

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

The abnormal detection is based on current detected by current sensor.

Malfunction Decision Conditions

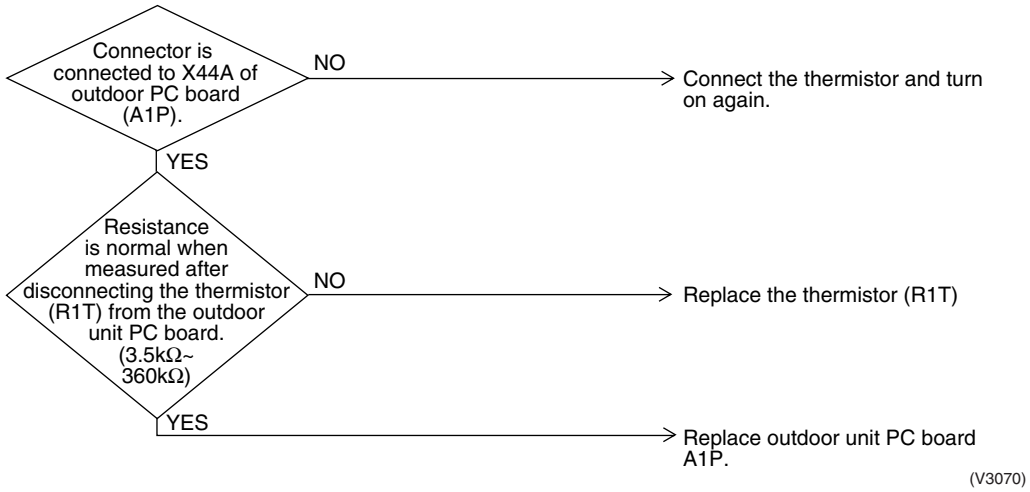
When the outside air temperature sensor has short circuit or open circuit.

Supposed Causes

- Defect of thermistor (R1T) for outdoor air
- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X44A of outdoor PC board (A1P).
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor (R1T) from the outdoor unit PC board. (3.5kΩ~ 360kΩ)
NO
Replace the thermistor (R1T)
YES
Replace outdoor unit PC board A1P.
(V3070)

The alarm indicator is displayed when the fan only is being used also.

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.24 "J2" Current Sensor Malfunction

Remote Controller Display

J2

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected according to the current value detected by current sensor.

Malfunction Decision Conditions

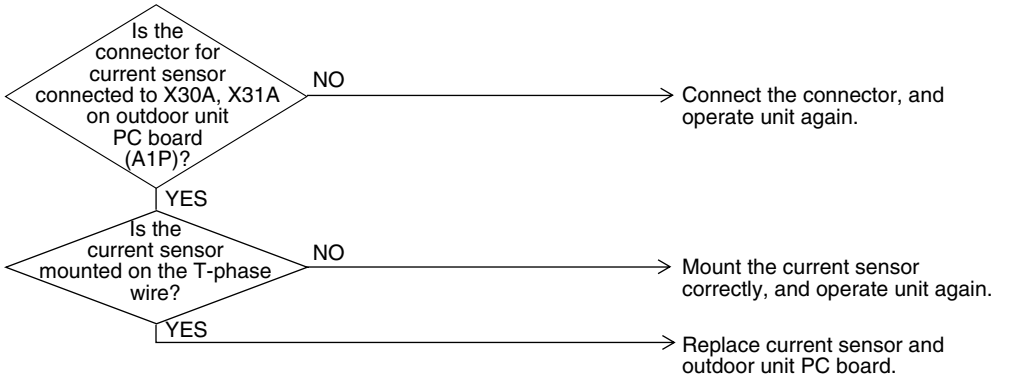
When the current value detected by current sensor becomes 5A (400 V unit) and 3A (200 V unit) or lower during STD compressor operation and 40A or more during STD compressor stop.

Supposed Causes

- Faulty current sensor
- Faulty outdoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the connector for current sensor connected to X30A, X31A on outdoor unit PC board (A1P)?
NO
Connect the connector, and operate unit again.
YES
Is the current sensor mounted on the T-phase wire?
NO
Mount the current sensor correctly, and operate unit again.
YES
Replace current sensor and outdoor unit PC board.

(V3071)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.25 "J3" Outdoor Unit: Malfunction of Discharge Pipe Thermistor (R31~33T)

Remote Controller Display

J3

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from the temperature detected by discharge pipe temperature thermistor.

Malfunction Decision Conditions

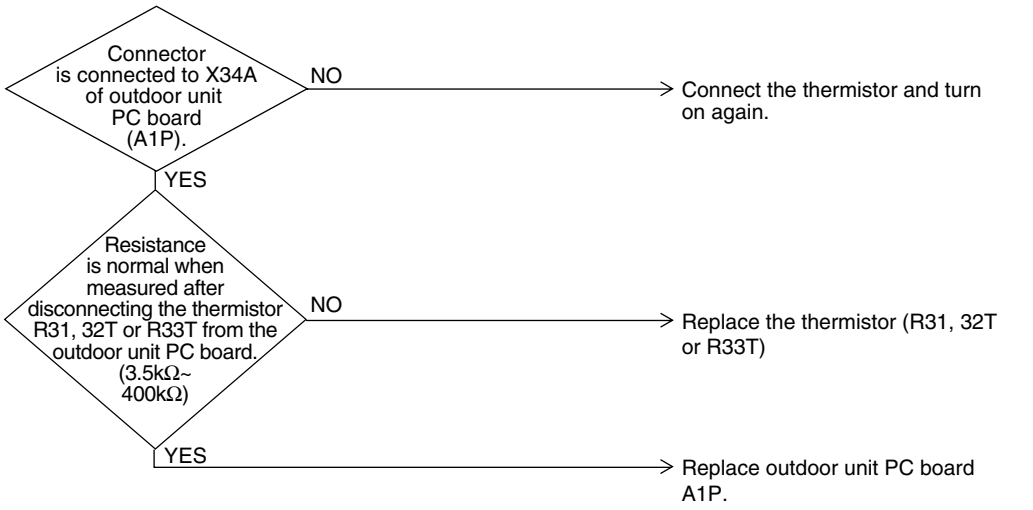
When a short circuit or an open circuit in the discharge pipe temperature thermistor is detected.

Supposed Causes

- Defect of thermistor (R31T, R32T or R33T) for outdoor unit discharge pipe
- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X34A of outdoor unit PC board (A1P).
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor R31, 32T or R33T from the outdoor unit PC board. (3.5kΩ~ 400kΩ)
NO
Replace the thermistor (R31, 32T or R33T)
YES
Replace outdoor unit PC board A1P.
(V3072)

The alarm indicator is displayed when the fan is being used also.

Note: 5 HP class ··· R31T
8~12 HP class ··· R31T, R32T
14, 16HP class ··· R31T, R32T and R33T

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.26 "J5" Outdoor Unit: Malfunction of Thermistor (R2T) for Suction Pipe

Remote Controller Display

J5

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from the temperature detected by the suction pipe temperature thermistor.

Malfunction Decision Conditions

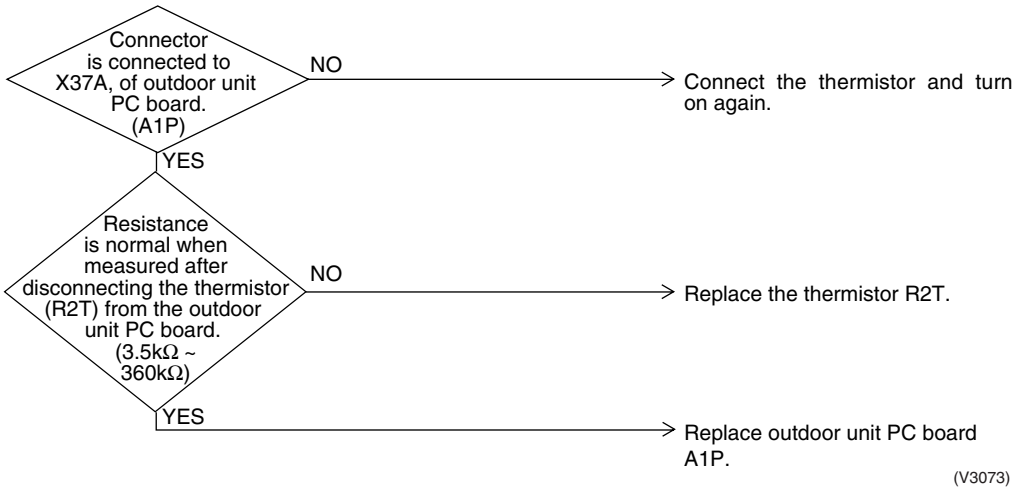
When a short circuit or an open circuit in the suction pipe temperature thermistor is detected.

Supposed Causes

- Defect of thermistor (R2T) for outdoor unit suction pipe
- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X37A, of outdoor unit PC board. (A1P)
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor (R2T) from the outdoor unit PC board. (3.5kΩ ~ 360kΩ)
NO
Replace the thermistor R2T.
YES
Replace outdoor unit PC board A1P.
(V3073)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.27 "J6" Outdoor Unit: Malfunction of Thermistor (R4T) for Outdoor Unit Heat Exchanger

Remote Controller Display

J6

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from the temperature detected by the heat exchanger thermistor.

Malfunction Decision Conditions

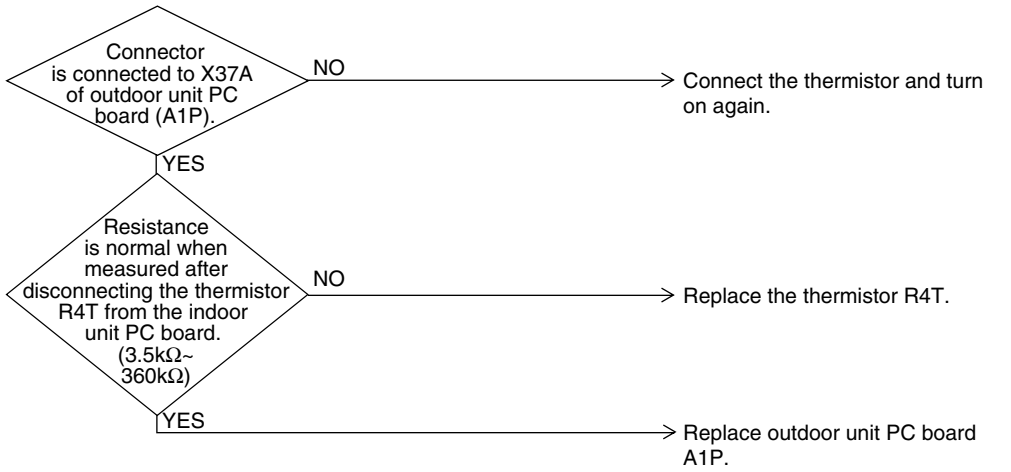
When a short circuit or an open circuit in the heat exchange thermistor is detected.

Supposed Causes

- Defect of thermistor (R4T) for outdoor unit coil
- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Connector is connected to X37A of outdoor unit PC board (A1P).
NO
Connect the thermistor and turn on again.
YES
Resistance is normal when measured after disconnecting the thermistor R4T from the indoor unit PC board. (3.5kΩ~ 360kΩ)
NO
Replace the thermistor R4T.
YES
Replace outdoor unit PC board A1P.

(V3074)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.28 "J9" Malfunction of Receiver Gas Pipe Thermistor (R5T)

Remote Controller Display

J9

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected according to the temperature detected by receiver gas pipe thermistor (= Subcooling heat exchanger gas pipe thermistor).

Malfunction Decision Conditions

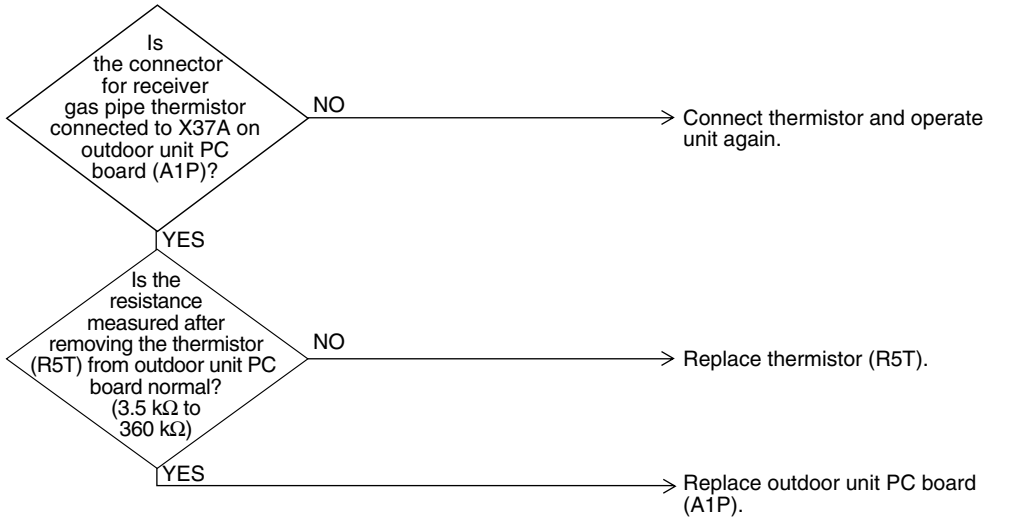
When the receiver gas pipe thermistor is short circuited or open.

Supposed Causes

- Faulty receiver gas pipe thermistor (R5T)
- Faulty outdoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the connector for receiver gas pipe thermistor connected to X37A on outdoor unit PC board (A1P)?
NO
Connect thermistor and operate unit again.
YES
Is the resistance measured after removing the thermistor (R5T) from outdoor unit PC board normal? (3.5 kΩ to 360 kΩ)
NO
Replace thermistor (R5T).
YES
Replace outdoor unit PC board (A1P).

(V3075)

∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.29 "JA" Outdoor Unit: Malfunction of High Pressure Sensor

Remote Controller Display

JA

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from the pressure detected by the high pressure sensor.

Malfunction Decision Conditions

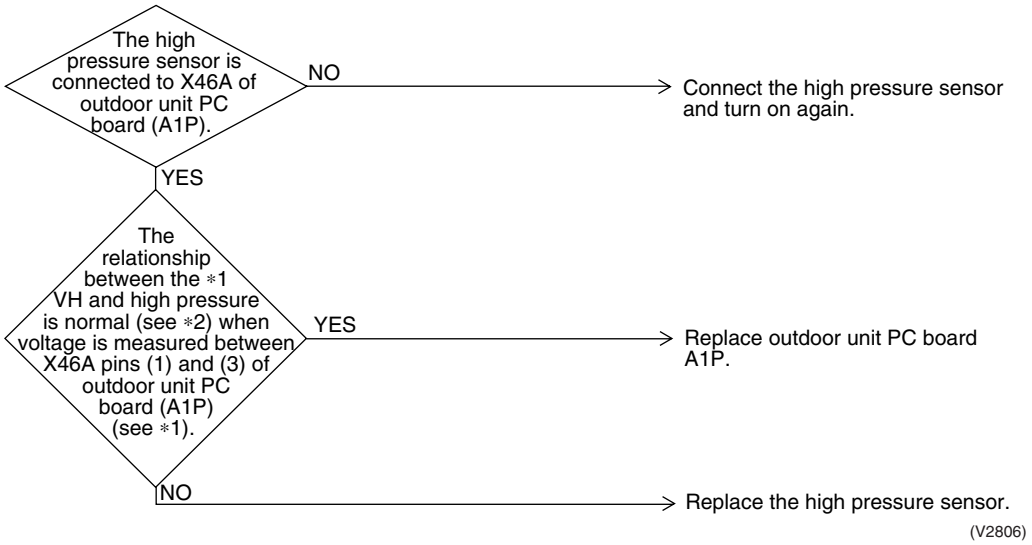
When the high pressure sensor is short circuit or open circuit.

Supposed Causes

- Defect of high pressure sensor system
- Connection of low pressure sensor with wrong connection.
- Defect of outdoor unit PC board.

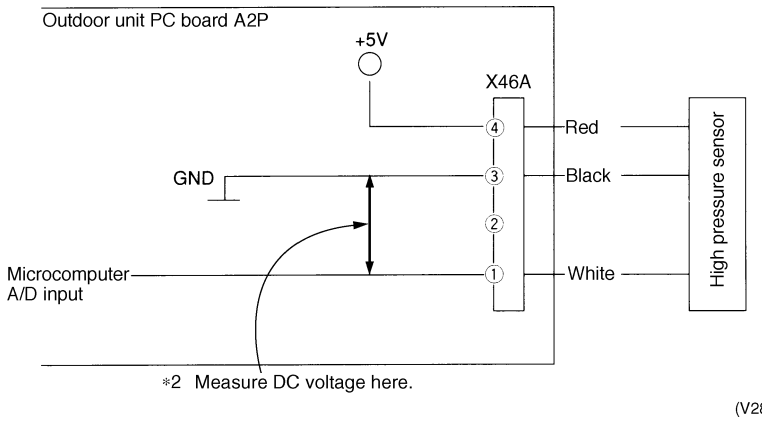
Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The high pressure sensor is connected to X46A of outdoor unit PC board (A1P).
NO
Connect the high pressure sensor and turn on again.
YES
The relationship between the ∗1 VH and high pressure is normal (see ∗2) when voltage is measured between X46A pins (1) and (3) of outdoor unit PC board (A1P) (see ∗1).
YES
Replace outdoor unit PC board A1P.
NO
Replace the high pressure sensor.

(V2806)

∗1: Voltage measurement point



(V2807)

∗2: Refer to pressure sensor, pressure / voltage characteristics table on P323.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.30 "JC" Outdoor Unit: Malfunction of Low Pressure Sensor

Remote Controller Display

JC

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from pressure detected by low pressure sensor.

Malfunction Decision Conditions

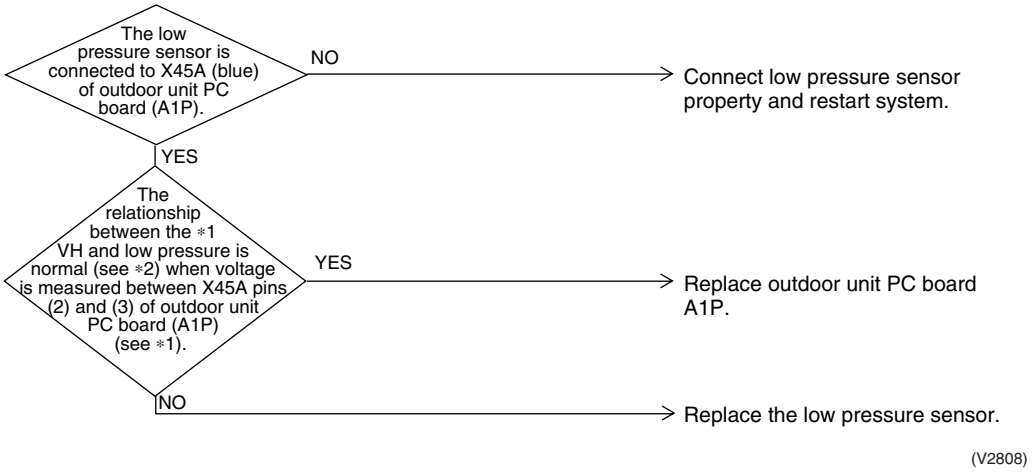
When the low pressure sensor is short circuit or open circuit.

Supposed Causes

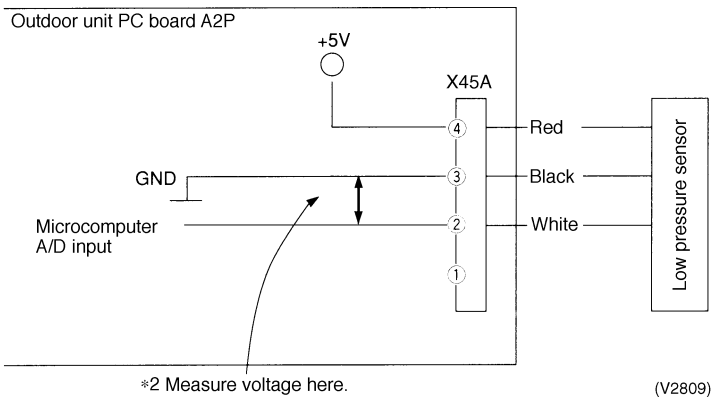
- Defect of low pressure sensor system
- Connection of high pressure sensor with wrong connection.
- Defect of outdoor unit PC board.

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The low pressure sensor is connected to X45A (blue) of outdoor unit PC board (A1P).
NO
Connect low pressure sensor property and restart system.
YES
The relationship between the ∗1 VH and low pressure is normal (see ∗2) when voltage is measured between X45A pins (2) and (3) of outdoor unit PC board (A1P) (see ∗1).
YES
Replace outdoor unit PC board A1P.
NO
Replace the low pressure sensor.
(V2808)

∗1: Voltage measurement point



∗2: Refer to pressure sensor, pressure/voltage characteristics table on P323.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.31 "L4" Outdoor Unit: Malfunction of Inverter Radiating Fin Temperature Rise

Remote Controller Display

L4

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Fin temperature is detected by the thermistor of the radiation fin.

Malfunction Decision Conditions

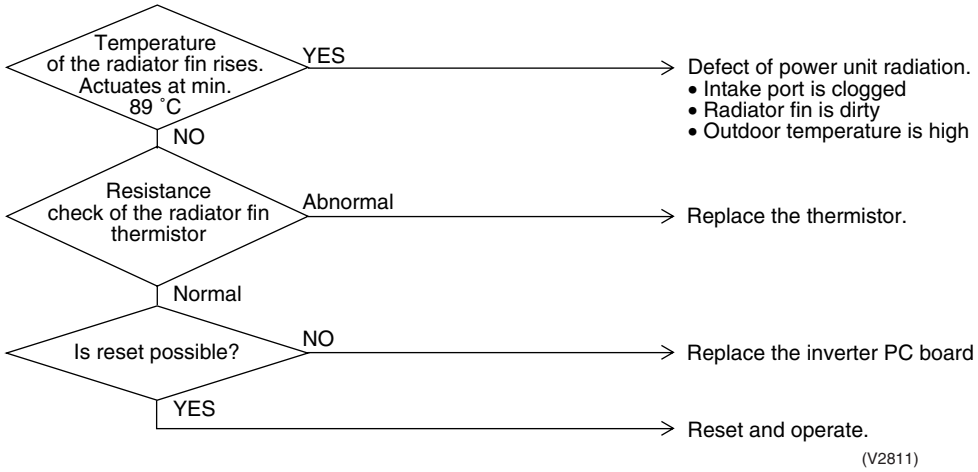
When the temperature of the inverter radiation fin increases above 89°C.

Supposed Causes

- Actuation of fin thermal (Actuates above 89°C)
- Defect of inverter PC board
- Defect of fin thermistor

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.



∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.32 "L5" Outdoor Unit: Inverter Compressor Abnormal

Remote Controller Display

L5

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from current flowing in the power transistor.

Malfunction Decision Conditions

When an excessive current flows in the power transistor.
(Instantaneous overcurrent also causes activation.)

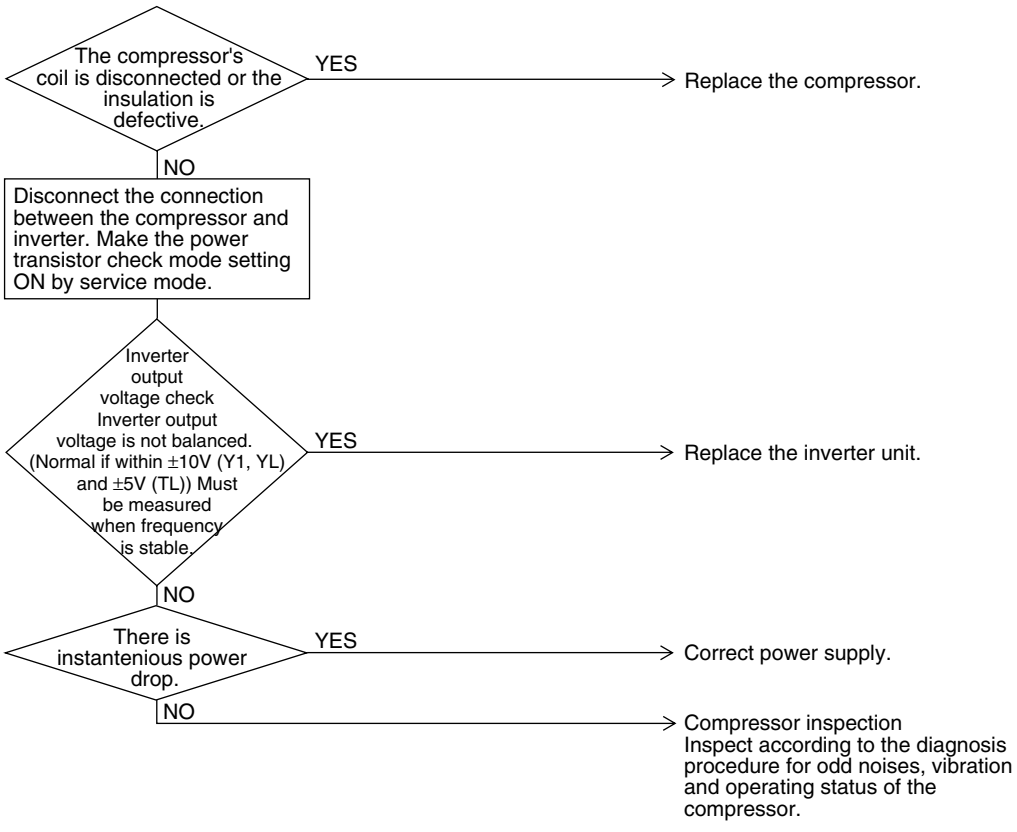
Supposed Causes

- Defect of compressor coil (disconnected, defective insulation)
- Compressor start-up malfunction (mechanical lock)
- Defect of inverter PC board

Troubleshooting

Compressor inspection

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The compressor's coil is disconnected or the insulation is defective.
YES
Replace the compressor.
NO
Disconnect the connection between the compressor and inverter. Make the power transistor check mode setting ON by service mode.
Inverter output voltage check Inverter output voltage is not balanced. (Normal if within ±10V (Y1, YL) and ±5V (TL)) Must be measured when frequency is stable.
YES
Replace the inverter unit.
NO
There is instantenious power drop.
YES
Correct power supply.
NO
Compressor inspection
Inspect according to the diagnosis procedure for odd noises, vibration and operating status of the compressor.

(V2812)

Higher voltage than actual is displayed when the inverter output voltage is checked by tester.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.33 "L8" Outdoor Unit: Inverter Current Abnormal

Remote Controller Display

L8

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected by current flowing in the power transistor.

Malfunction Decision Conditions

When overload in the compressor is detected.

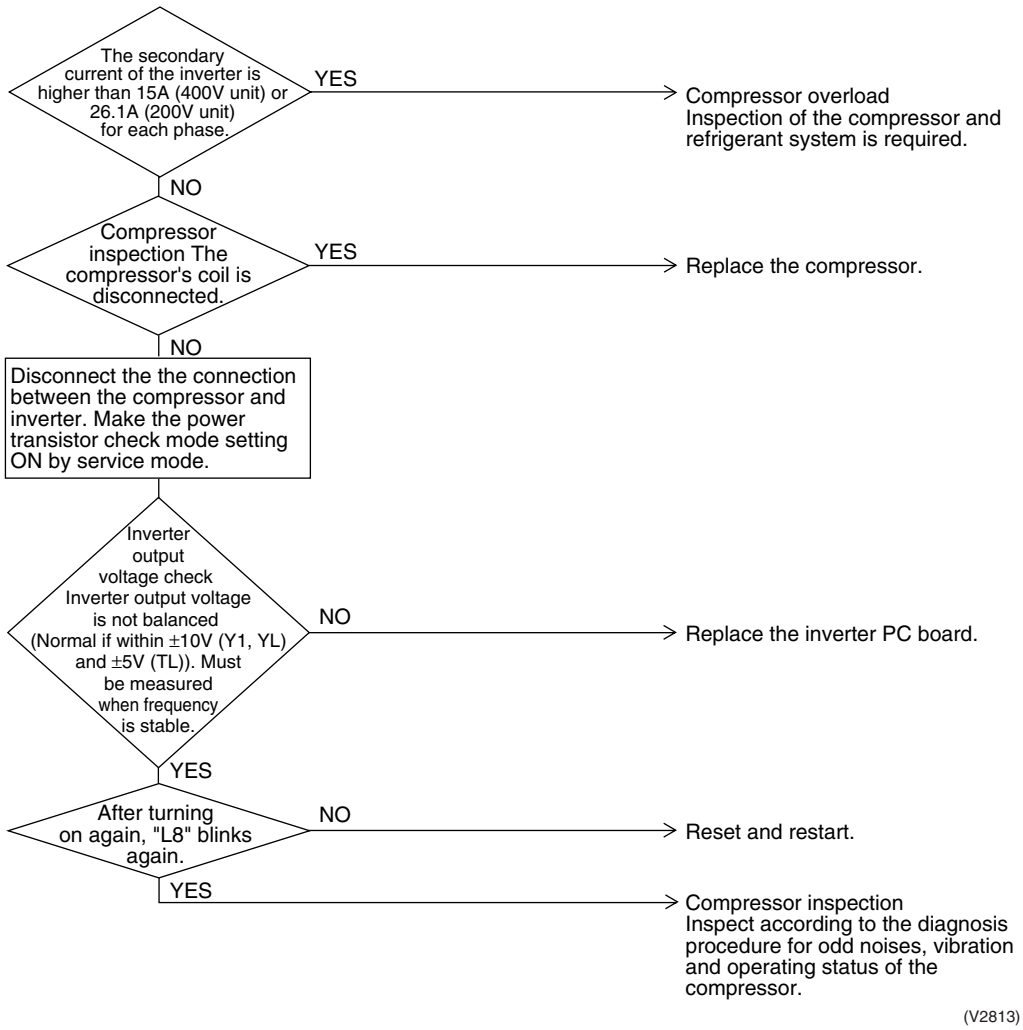
Supposed Causes

- Compressor overload
- Compressor coil disconnected
- Defect of inverter PC board

Troubleshooting

Output current check

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The secondary current of the inverter is higher than 15A (400V unit) or 26.1A (200V unit) for each phase.
YES
Compressor overload
Inspection of the compressor and refrigerant system is required.
NO
Compressor inspection The compressor's coil is disconnected.
YES
Replace the compressor.
NO
Disconnect the the connection between the compressor and inverter. Make the power transistor check mode setting ON by service mode.
Inverter output voltage check Inverter output voltage is not balanced (Normal if within ±10V (Y1, YL) and ±5V (TL)). Must be measured when frequency is stable.
NO
Replace the inverter PC board.
YES
After turning on again, "L8" blinks again.
NO
Reset and restart.
YES
Compressor inspection
Inspect according to the diagnosis procedure for odd noises, vibration and operating status of the compressor.

(V2813)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.34 "L9" Outdoor Unit: Inverter Start up Error

Remote Controller Display

L9

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Malfunction is detected from current flowing in the power transistor.

Malfunction Decision Conditions

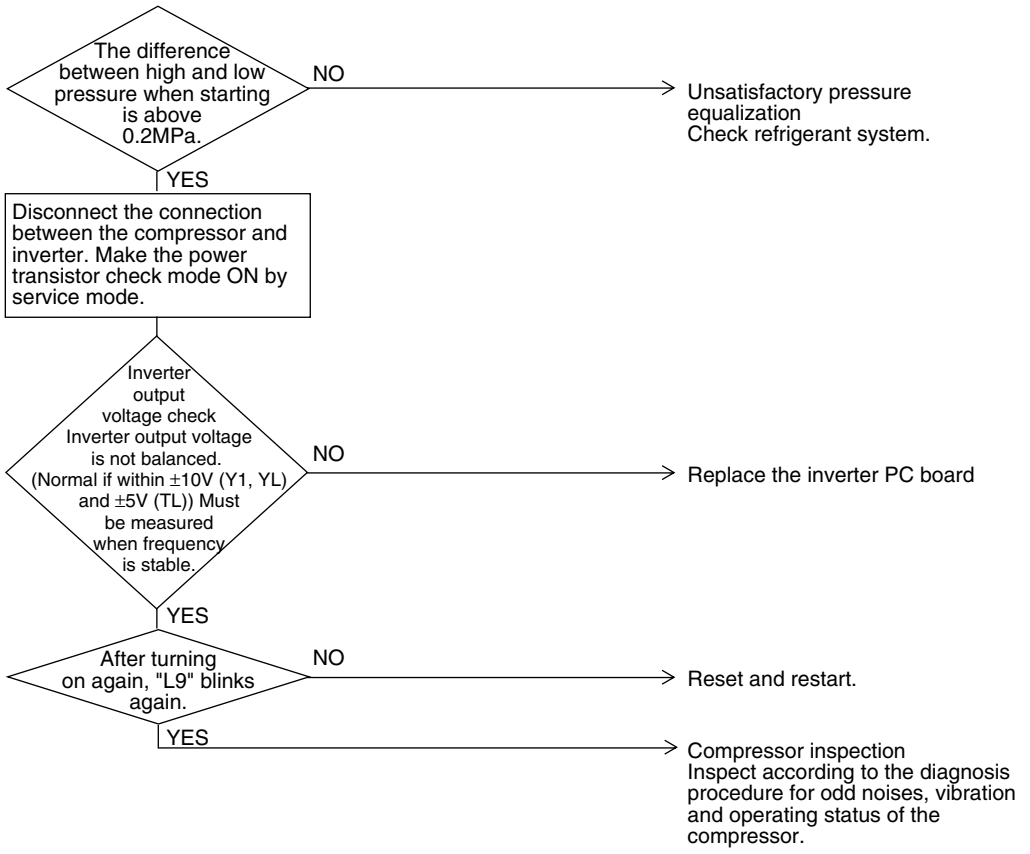
When overload in the compressor is detected during startup

Supposed Causes

- Defect of compressor
- Pressure differential start
- Defect of inverter PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


The difference between high and low pressure when starting is above 0.2MPa.
NO
Unsatisfactory pressure equalization
Check refrigerant system.
YES
Disconnect the connection between the compressor and inverter. Make the power transistor check mode ON by service mode.
Inverter output voltage check Inverter output voltage is not balanced. (Normal if within ±10V (Y1, YL) and ±5V (TL)) Must be measured when frequency is stable.
NO
Replace the inverter PC board
YES
After turning on again, "L9" blinks again.
NO
Reset and restart.
YES
Compressor inspection
Inspect according to the diagnosis procedure for odd noises, vibration and operating status of the compressor.

(V2814)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

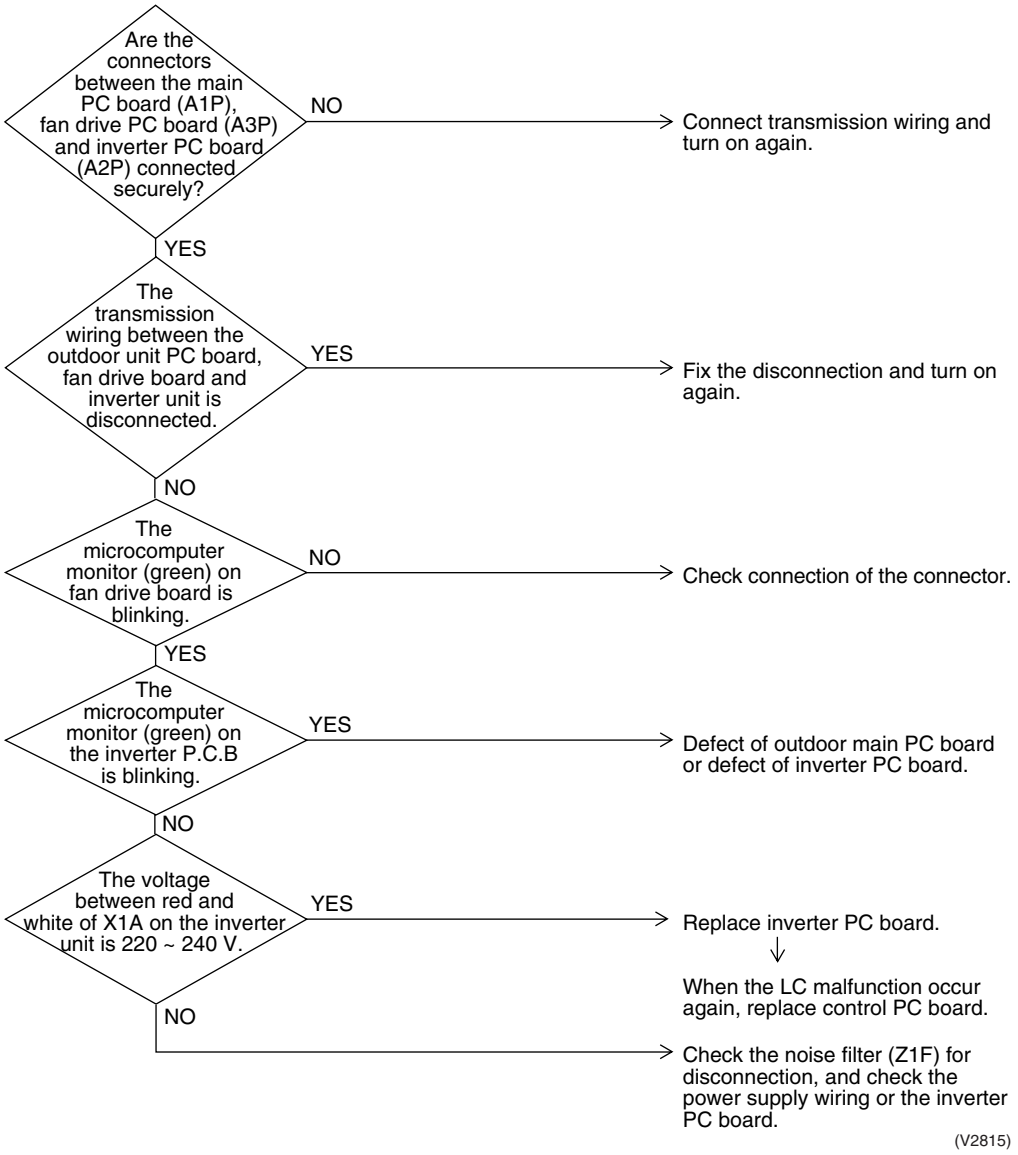
2.35 "LC" Outdoor Unit: Malfunction of Transmission Between Inverter and Control PC Board

Remote Controller Display	LC
Applicable Models	RX(Y)5~48M
Method of Malfunction Detection	Check the communication state between inverter PC board and control PC board by micro-computer.
Malfunction Decision Conditions	When the correct communication is not conducted in certain period.
Supposed Causes	■ Malfunction of connection between the inverter PC board and outdoor control PC board ■ Defect of outdoor control PC board (transmission section) ■ Defect of inverter PC board ■ Defect of noise filter ■ External factor (Noise etc.)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Are the connectors between the main PC board (A1P), fan drive PC board (A3P) and inverter PC board (A2P) connected securely?
NO
Connect transmission wiring and turn on again.
YES
The transmission wiring between the outdoor unit PC board, fan drive board and inverter unit is disconnected.
YES
Fix the disconnection and turn on again.
NO
The microcomputer monitor (green) on fan drive board is blinking.
NO
Check connection of the connector.
YES
The microcomputer monitor (green) on the inverter P.C.B is blinking.
YES
Defect of outdoor main PC board or defect of inverter PC board.
NO
The voltage between red and white of X1A on the inverter unit is 220 ~ 240 V.
YES
Replace inverter PC board.
When the LC malfunction occur again, replace control PC board.
NO
Check the noise filter (Z1F) for disconnection, and check the power supply wiring or the inverter PC board.
(V2815)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.36 "P1" Outdoor Unit: Inverter Over-Ripple Protection

Remote Controller Display

P1

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Imbalance in supply voltage is detected in PC board.

Malfunction Decision Conditions

When the resistance value of thermistor becomes a value equivalent to open or short circuited status.

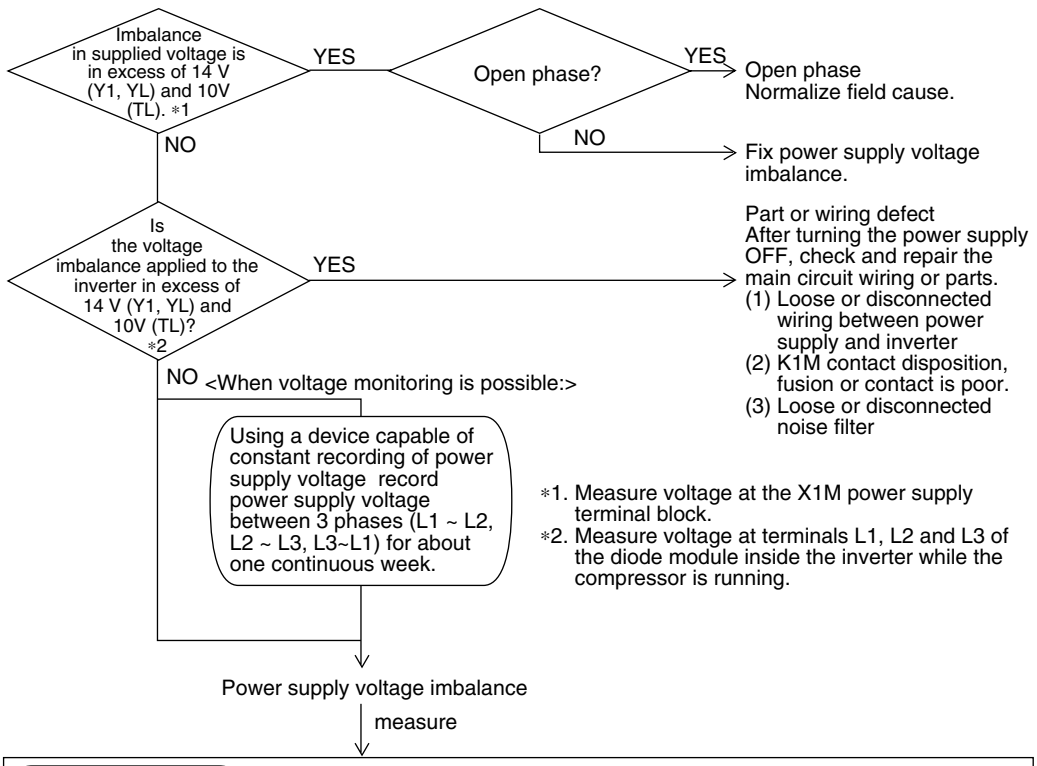
- Malfunction is not decided while the unit operation is continued.
  "P1" will be displayed by pressing the inspection button.

Supposed Causes

- Open phase
- Voltage imbalance between phases
- Defect of main circuit capacitor
- Defect of inverter PC board
- Defect of K1M
- Improper main circuit wiring

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Imbalance in supplied voltage is in excess of 14 V (Y1, YL) and 10V (TL). *1
YES
Open phase?
YES
Open phase
Normalize field cause.
NO
NO
Fix power supply voltage imbalance.
Is the voltage imbalance applied to the inverter in excess of 14 V (Y1, YL) and 10V (TL)? *2
YES
Part or wiring defect
After turning the power supply OFF, check and repair the main circuit wiring or parts.
(1) Loose or disconnected wiring between power supply and inverter
(2) K1M contact disposition, fusion or contact is poor.
(3) Loose or disconnected noise filter
NO
<When voltage monitoring is possible:>
Using a device capable of constant recording of power supply voltage record power supply voltage between 3 phases (L1 ~ L2, L2 ~ L3, L3~L1) for about one continuous week.
*1. Measure voltage at the X1M power supply terminal block.
*2. Measure voltage at terminals L1, L2 and L3 of the diode module inside the inverter while the compressor is running.
Power supply voltage imbalance
measure
Explanation for users
*In accordance with "notification of inspection results" accompanying spare parts.
Give the user a copy of "notification of inspection results"and leave it up to him to improve the imbalance.
Be sure to explain to the user that there is a "power supply imbalance" for which DAIKIN is not responsible.

(V2816)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.37 "P4" Outdoor Unit: Malfunction of Inverter Radiating Fin Temperature Rise Sensor

Remote Controller Display

P4

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Resistance of radiation fin thermistor is detected when the compressor is not operating.

Malfunction Decision Conditions

When the resistance value of thermistor becomes a value equivalent to open or short circuited status.

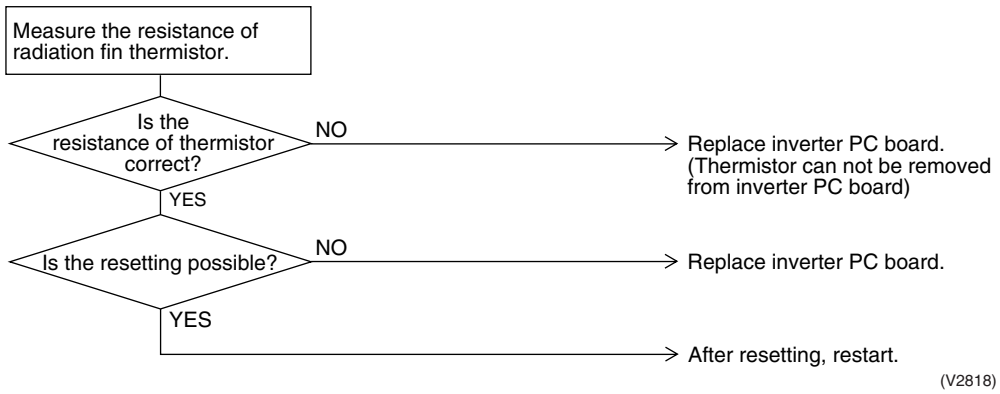
- Malfunction is not decided while the unit operation is continued.
  "P4" will be displayed by pressing the inspection button.

Supposed Causes

- Defect of radiator fin temperature sensor
- Defect of inverter PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.



∗2: Refer to thermistor resistance / temperature characteristics table on P321.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.38 "U0" Low Pressure Drop Due to Refrigerant Shortage or Electronic Expansion Valve Failure

Remote Controller Display

U0

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Short of gas malfunction is detected by discharge pipe temperature thermistor.

Malfunction Decision Conditions

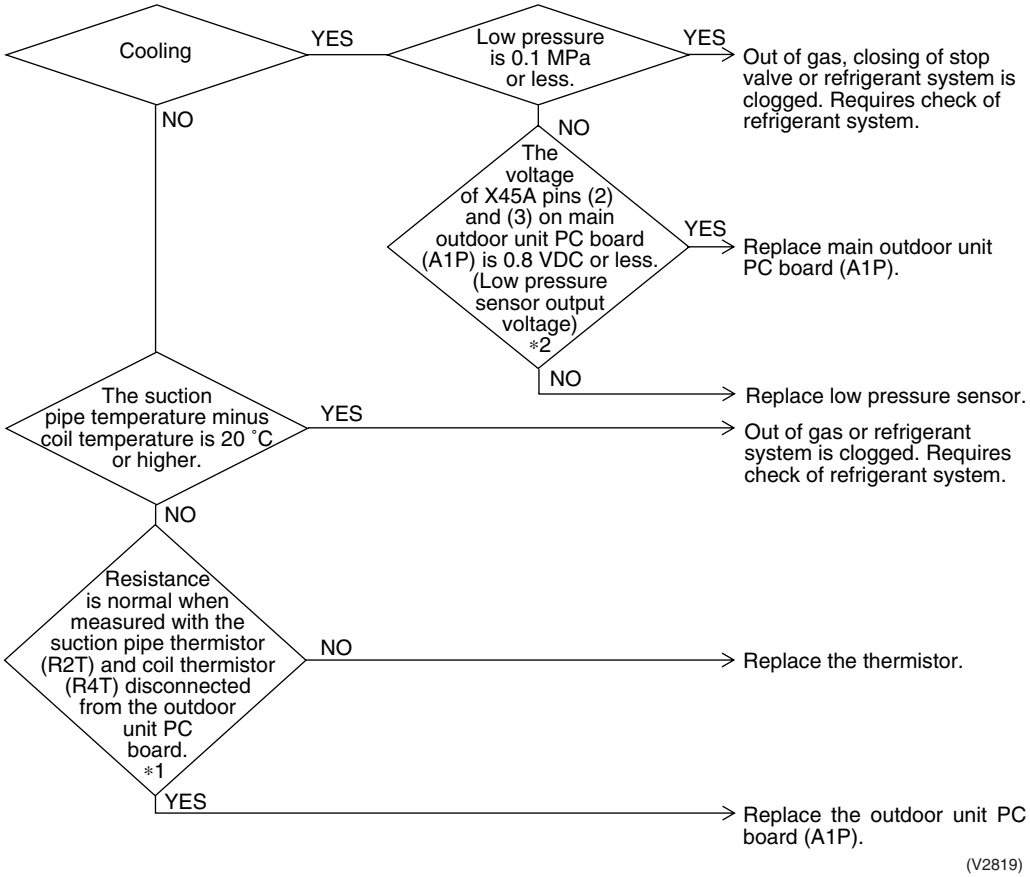
Microcomputer judge and detect if the system is short of refrigerant.
★Malfunction is not decided while the unit operation is continued.

Supposed Causes

- Out of gas or refrigerant system clogging (incorrect piping)
- Defect of pressure sensor
- Defect of outdoor unit PC board (A1P)
- Defect of thermistor R2T or R4T

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Cooling
YES
Low pressure is 0.1 MPa or less.
YES
Out of gas, closing of stop valve or refrigerant system is clogged. Requires check of refrigerant system.
NO
NO
The voltage of X45A pins (2) and (3) on main outdoor unit PC board (A1P) is 0.8 VDC or less. (Low pressure sensor output voltage) *2
YES
Replace main outdoor unit PC board (A1P).
NO
Replace low pressure sensor.
The suction pipe temperature minus coil temperature is 20 ˚C or higher.
YES
Out of gas or refrigerant system is clogged. Requires check of refrigerant system.
NO
Resistance is normal when measured with the suction pipe thermistor (R2T) and coil thermistor (R4T) disconnected from the outdoor unit PC board. *1
NO
Replace the thermistor.
YES
Replace the outdoor unit PC board (A1P).
(V2819)

*1: Refer to thermistor resistance / temperature characteristics table on P321.
*2: Refer to pressure sensor, pressure / voltage characteristics table on P323.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.39 "U1" Reverse Phase, Open Phase

Remote Controller Display

U1

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Detection is based on the voltage in main circuit capacitor for inverter and supply voltage. The phase of each phase are detected by reverse phase detection circuit and right phase or reverse phase are judged.

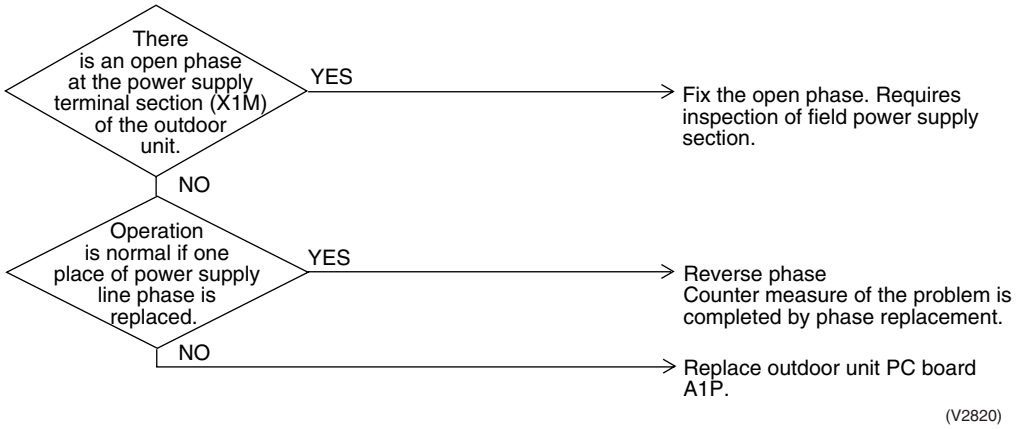
Malfunction Decision Conditions

Supposed Causes

- Power supply reverse phase
- Power supply open phase
- Defect of outdoor PC board A1P

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


There is an open phase at the power supply terminal section (X1M) of the outdoor unit.
YES
Fix the open phase. Requires inspection of field power supply section.
NO
Operation is normal if one place of power supply line phase is replaced.
YES
Reverse phase
Counter measure of the problem is completed by phase replacement.
NO
Replace outdoor unit PC board A1P.

(V2820)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.40 "U2" Power Supply Insufficient or Instantaneous Failure

Remote Controller Display

U2

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Detection of voltage of main circuit capacitor built in the inverter and power supply voltage.

Malfunction Decision Conditions

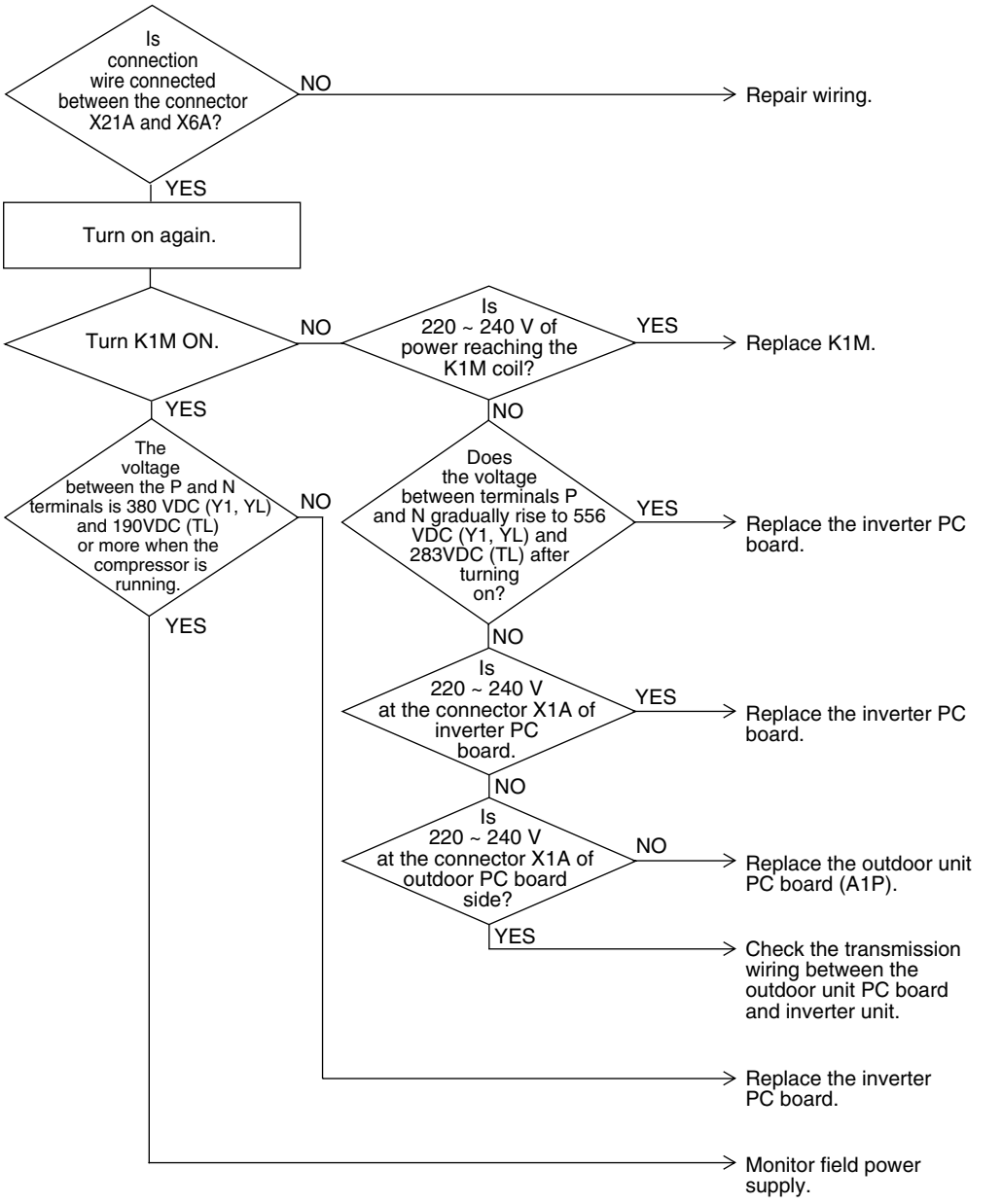
Supposed Causes

- Power supply insufficient
- Instantaneous failure
- Open phase
- Defect of inverter PC board
- Defect of outdoor control PC board
- Defect of K1M.
- Main circuit wiring defect

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is connection wire connected between the connector X21A and X6A?
NO
Repair wiring.
YES
Turn on again.
Turn K1M ON.
NO
Is 220 ~ 240 V of power reaching the K1M coil?
YES
Replace K1M.
YES
NO
The voltage between the P and N terminals is 380 VDC (Y1, YL) and 190VDC (TL) or more when the compressor is running.
NO
Does the voltage between terminals P and N gradually rise to 556 VDC (Y1, YL) and 283VDC (TL) after turning on?
YES
Replace the inverter PC board.
YES
NO
Is 220 ~ 240 V at the connector X1A of inverter PC board.
YES
Replace the inverter PC board.
NO
Is 220 ~ 240 V at the connector X1A of outdoor PC board side?
NO
Replace the outdoor unit PC board (A1P).
YES
Check the transmission wiring between the outdoor unit PC board and inverter unit.
Replace the inverter PC board.
Monitor field power supply.

(V2821)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.41 "U3" Check Operation not executed

Remote Controller Display

U3

Applicable Models

RX(Y)5~48M

Method of Malfunction Detection

Check operation is executed or not

Malfunction Decision Conditions

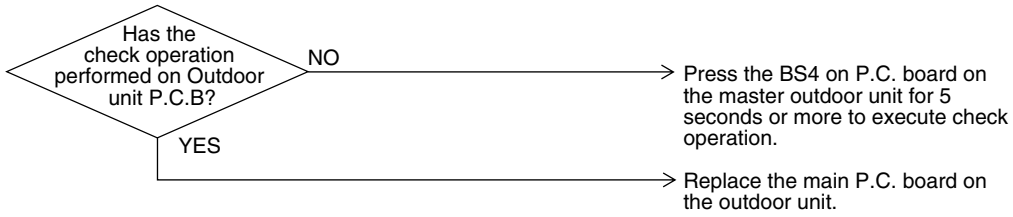
Malfunction is decided when the unit starts operation without check operation.

Supposed Causes

- Check operation is not executed.

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has the check operation performed on Outdoor unit P.C.B?
NO
YES
Press the BS4 on P.C. board on the master outdoor unit for 5 seconds or more to execute check operation.
Replace the main P.C. board on the outdoor unit.

(V3052)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

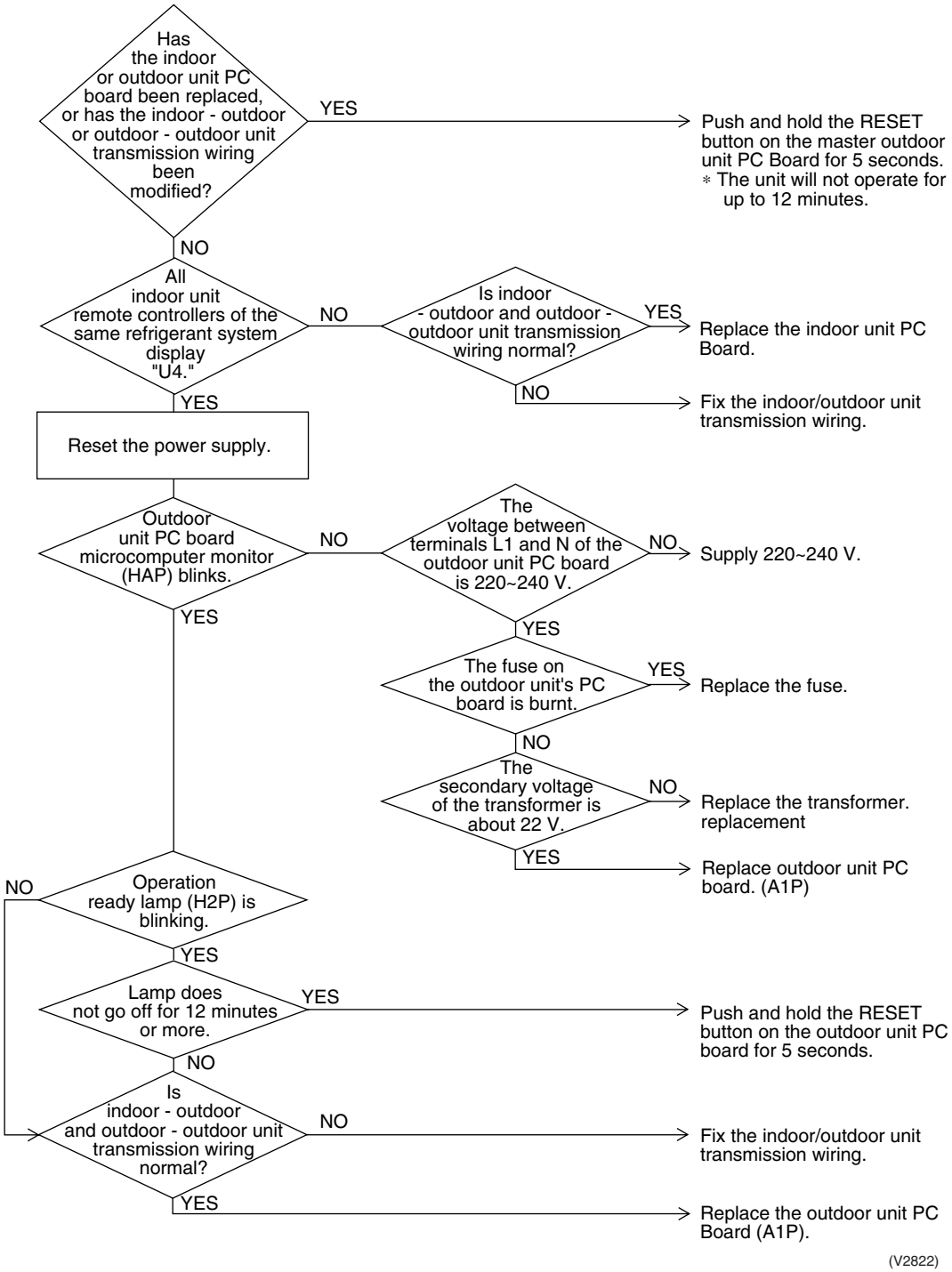
2.42 "U4" Malfunction of Transmission Between Indoor Units

Remote Controller Display	U4
Applicable Models	All model of indoor unit RX(Y)5~48M
Method of Malfunction Detection	Microcomputer checks if transmission between indoor and outdoor units is normal.
Malfunction Decision Conditions	When transmission is not carried out normally for a certain amount of time
Supposed Causes	■ Indoor to outdoor,outdoor to outdoor transmission wiring F1, F2 disconnection, short circuit or wrong wiring ■ Outdoor unit power supply is OFF ■ System address doesn't match ■ Defect of indoor unit PC board ■ Defect of outdoor unit PC board

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has the indoor or outdoor unit PC board been replaced, or has the indoor - outdoor or outdoor - outdoor unit transmission wiring been modified?
YES
Push and hold the RESET button on the master outdoor unit PC Board for 5 seconds.
∗ The unit will not operate for up to 12 minutes.
NO
All indoor unit remote controllers of the same refrigerant system display "U4."
NO
Is indoor - outdoor and outdoor - outdoor unit transmission wiring normal?
YES
Replace the indoor unit PC Board.
NO
Fix the indoor/outdoor unit transmission wiring.
YES
Reset the power supply.
Outdoor unit PC board microcomputer monitor (HAP) blinks.
NO
The voltage between terminals L1 and N of the outdoor unit PC board is 220~240 V.
NO
Supply 220~240 V.
YES
YES
The fuse on the outdoor unit's PC board is burnt.
YES
Replace the fuse.
NO
The secondary voltage of the transformer is about 22 V.
NO
Replace the transformer. replacement
YES
Replace outdoor unit PC board. (A1P)
NO
Operation ready lamp (H2P) is blinking.
YES
Lamp does not go off for 12 minutes or more.
YES
Push and hold the RESET button on the outdoor unit PC board for 5 seconds.
NO
Is indoor - outdoor and outdoor - outdoor unit transmission wiring normal?
NO
Fix the indoor/outdoor unit transmission wiring.
YES
Replace the outdoor unit PC Board (A1P).

(V2822)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.43 "U5" Malfunction of Transmission Between Remote Controller and Indoor Unit

Remote Controller Display

U5

Applicable Models

All models of indoor units

Method of Malfunction Detection

In case of controlling with 2-remote controller, check the system using microcomputer is signal transmission between indoor unit and remote controller (main and sub) is normal.

Malfunction Decision Conditions

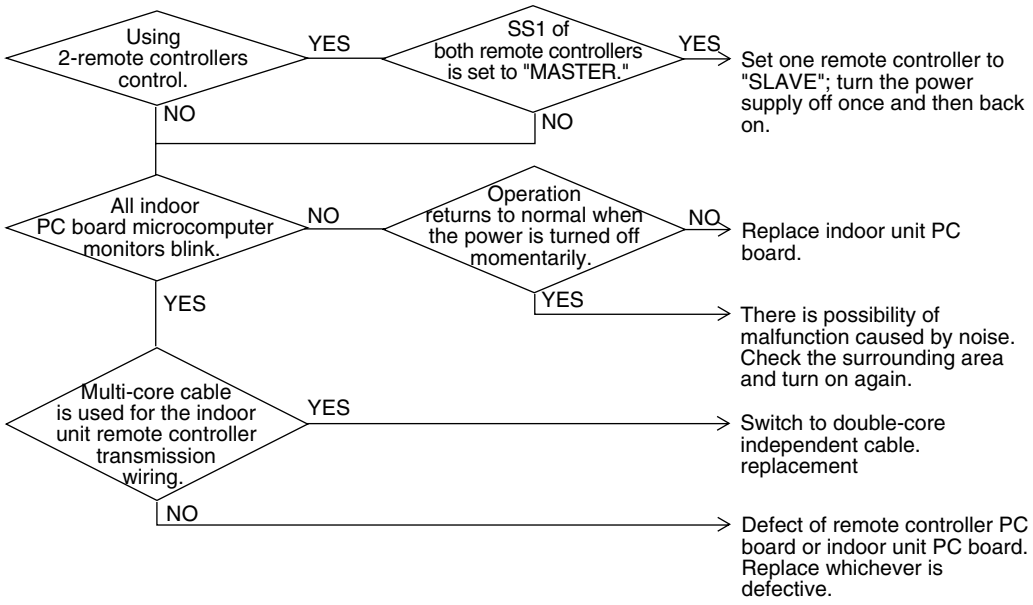
Normal transmission does not continue for specified period.

Supposed Causes

- Malfunction of indoor unit remote controller transmission
- Connection of two main remote controllers (when using 2 remote controllers)
- Defect of indoor unit PC board
- Defect of remote controller PC board
- Malfunction of transmission caused by noise

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Using 2-remote controllers control.
YES
SS1 of both remote controllers is set to "MASTER."
YES
Set one remote controller to "SLAVE"; turn the power supply off once and then back on.
NO
NO
All indoor PC board microcomputer monitors blink.
NO
Operation returns to normal when the power is turned off momentarily.
NO
Replace indoor unit PC board.
YES
YES
There is possibility of malfunction caused by noise. Check the surrounding area and turn on again.
Multi-core cable is used for the indoor unit remote controller transmission wiring.
YES
Switch to double-core independent cable. replacement
NO
Defect of remote controller PC board or indoor unit PC board. Replace whichever is defective.

(V2823)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

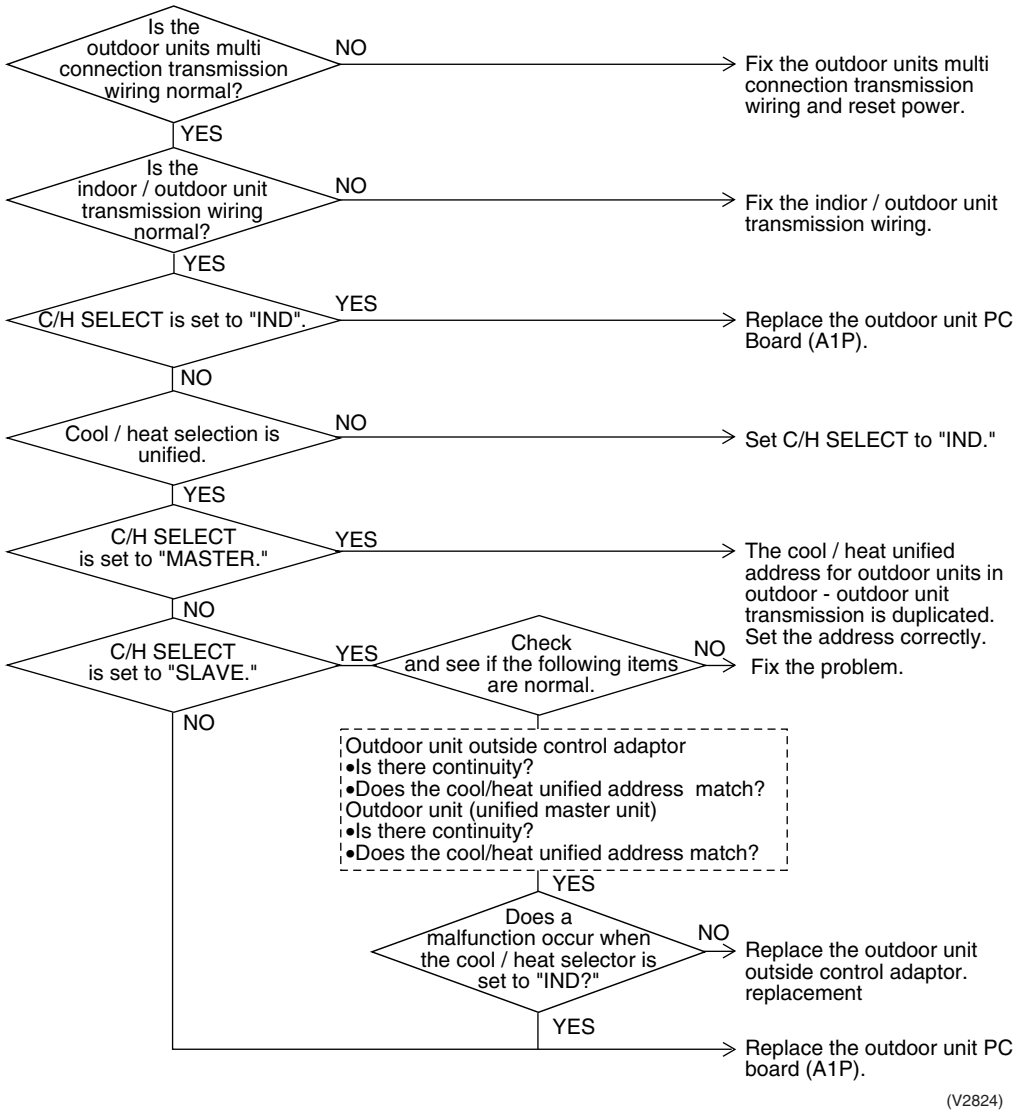
2.44 "U7" Malfunction of Transmission Between Outdoor Units

Remote Controller Display	U7
Applicable Models	All models of indoor units
Method of Malfunction Detection	Microcomputer checks if transmission between indoor unit and remote controller is normal.
Malfunction Decision Conditions	When transmission is not carried out normally for a certain amount of time
Supposed Causes	■ Improper connection of transmission wiring between outdoor unit and outdoor unit outside control adaptor ■ Improper cool/heat selection ■ Improper cool/heat unified address (outdoor unit, external control adaptor for outdoor unit) ■ Defect of outdoor unit PC board (A1P) ■ Defect of outdoor unit outside control adaptor ■ Improper connection of transmission wiring between outdoor units of multi outdoor unit connection.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the outdoor units multi connection transmission wiring normal?
NO
Fix the outdoor units multi connection transmission wiring and reset power.
YES
Is the indoor / outdoor unit transmission wiring normal?
NO
Fix the indior / outdoor unit transmission wiring.
YES
C/H SELECT is set to "IND".
YES
Replace the outdoor unit PC Board (A1P).
NO
Cool / heat selection is unified.
NO
Set C/H SELECT to "IND."
YES
C/H SELECT is set to "MASTER."
YES
The cool / heat unified address for outdoor units in outdoor - outdoor unit transmission is duplicated. Set the address correctly.
NO
C/H SELECT is set to "SLAVE."
YES
Check and see if the following items are normal.
NO
Fix the problem.
NO
Outdoor unit outside control adaptor
•Is there continuity?
•Does the cool/heat unified address match?
Outdoor unit (unified master unit)
•Is there continuity?
•Does the cool/heat unified address match?
YES
Does a malfunction occur when the cool / heat selector is set to "IND?"
NO
Replace the outdoor unit outside control adaptor. replacement
YES
Replace the outdoor unit PC board (A1P).

(V2824)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.45 "U8" Malfunction of Transmission Between Master and Slave Remote Controllers

Remote Controller Display

U8

Applicable Models

All models of indoor units

Method of Malfunction Detection

In case of controlling with 2-remote controller, check the system using microcomputer if signal transmission between indoor unit and remote controller (main and sub) is normal.

Malfunction Decision Conditions

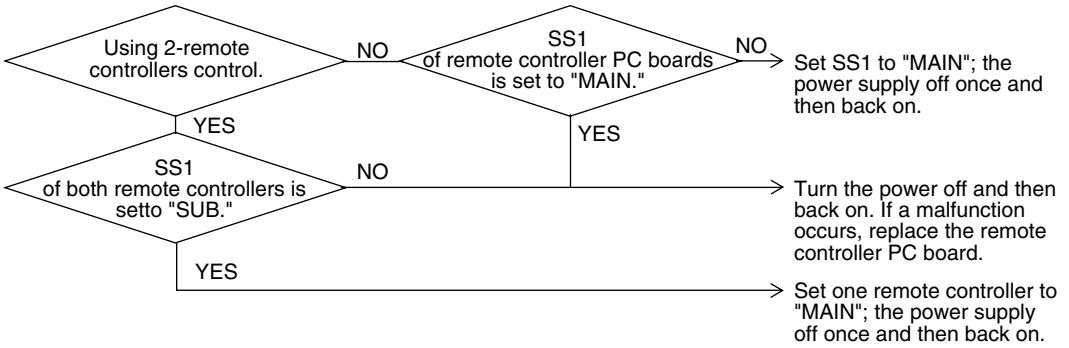
Normal transmission does not continue for specified period.

Supposed Causes

- Malfunction of transmission between main and sub remote controller
- Connection between sub remote controllers
- Defect of remote controller PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Using 2-remote controllers control.
NO
SS1 of remote controller PC boards is set to "MAIN."
NO
Set SS1 to "MAIN"; the power supply off once and then back on.
YES
YES
SS1 of both remote controllers is setto "SUB."
NO
Turn the power off and then back on. If a malfunction occurs, replace the remote controller PC board.
YES
Set one remote controller to "MAIN"; the power supply off once and then back on.

(V2825)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

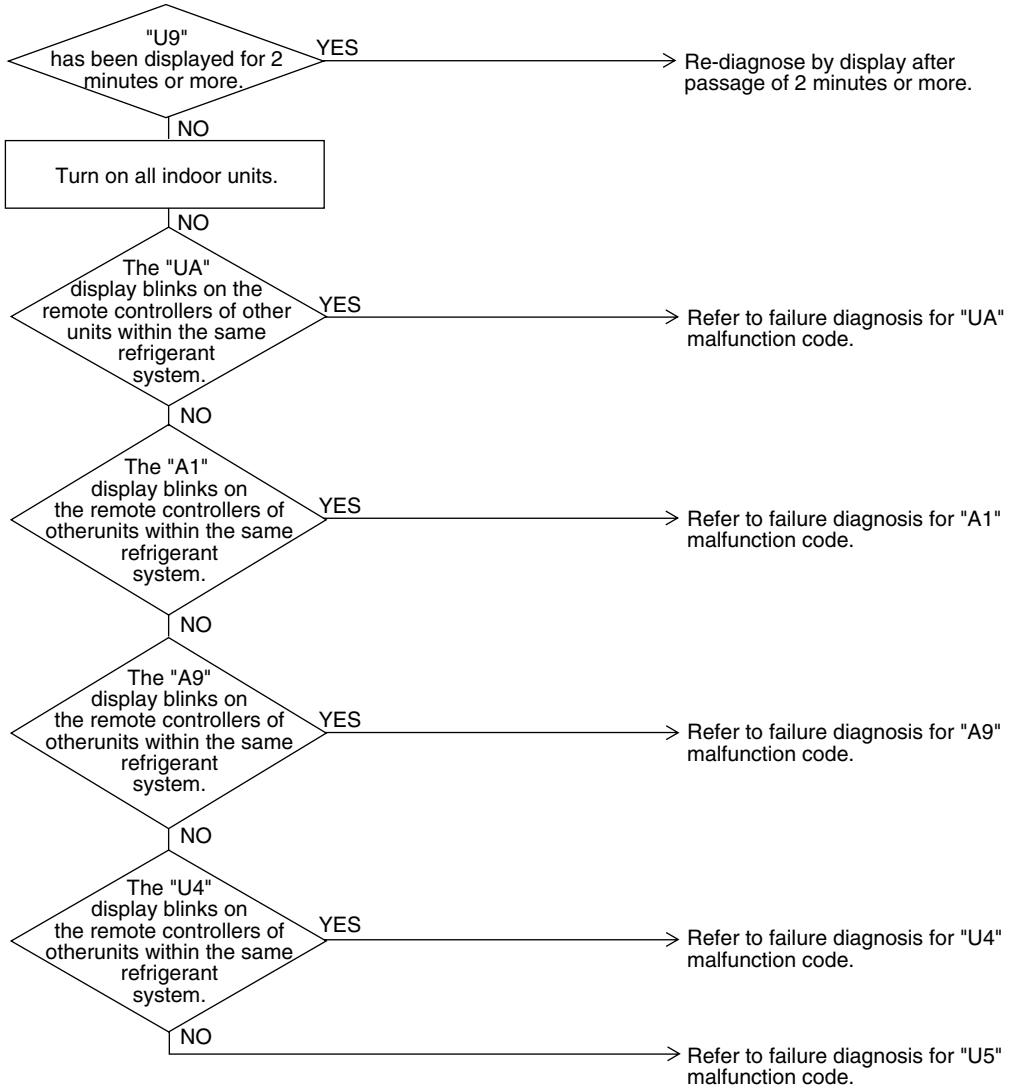
2.46 "U9" Malfunction of Transmission Between Indoor and Outdoor Units in the Same System

Remote Controller Display	U9
Applicable Models	All models of indoor units
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Malfunction of transmission within or outside of other system ■ Malfunction of electronic expansion valve in indoor unit of other system ■ Defect of PC board of indoor unit in other system ■ Improper connection of transmission wiring between indoor and outdoor unit

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


"U9" has been displayed for 2 minutes or more.
YES
Re-diagnose by display after passage of 2 minutes or more.
NO
Turn on all indoor units.
NO
The "UA" display blinks on the remote controllers of other units within the same refrigerant system.
YES
Refer to failure diagnosis for "UA" malfunction code.
NO
The "A1" display blinks on the remote controllers of otherunits within the same refrigerant system.
YES
Refer to failure diagnosis for "A1" malfunction code.
NO
The "A9" display blinks on the remote controllers of otherunits within the same refrigerant system.
YES
Refer to failure diagnosis for "A9" malfunction code.
NO
The "U4" display blinks on the remote controllers of otherunits within the same refrigerant system.
YES
Refer to failure diagnosis for "U4" malfunction code.
NO
Refer to failure diagnosis for "U5" malfunction code.

(V2826)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.47 "UA" Excessive Number of Indoor Units

Remote Controller Display

UA

Applicable Models

All models of indoor unit
RX(Y)5~48M

Method of Malfunction Detection

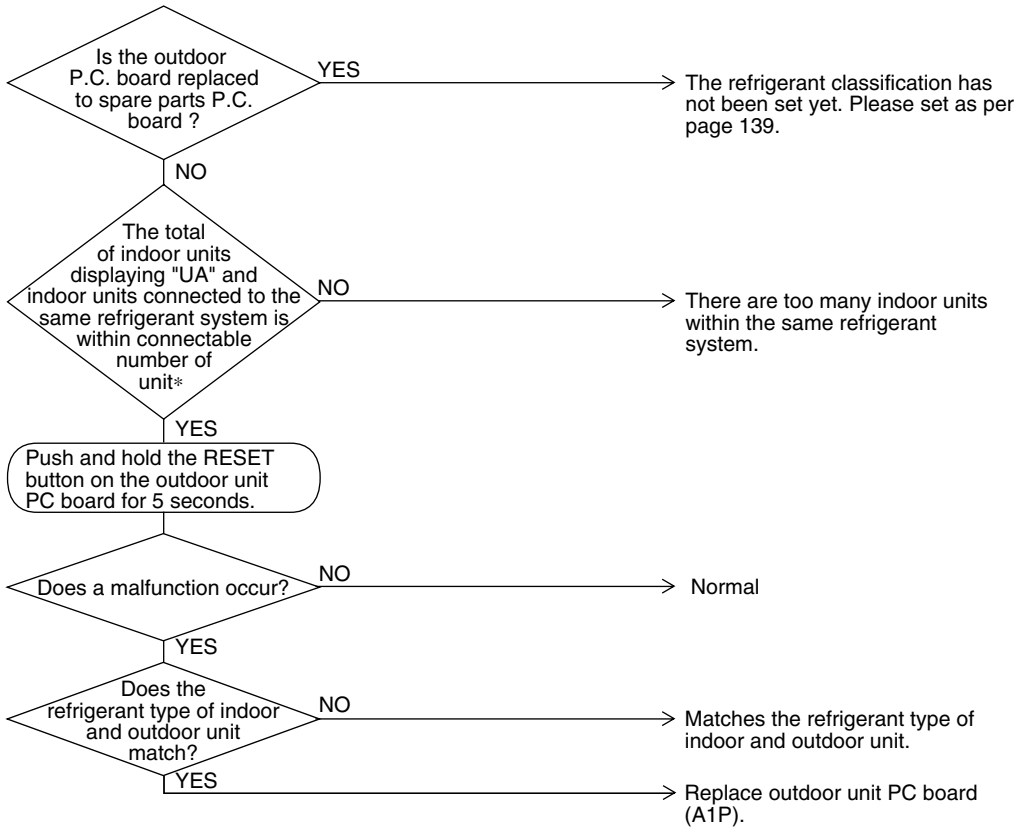
Malfunction Decision Conditions

Supposed Causes

- Excess of connected indoor units
- Defect of outdoor unit PC board (A1P)
- Mismatching of the refrigerant type of indoor and outdoor unit.
- Setting of outdoor P.C. board was not conducted after replacing to spare parts P.C. board.

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the outdoor P.C. board replaced to spare parts P.C. board ?
YES
The refrigerant classification has not been set yet. Please set as per page 139.
NO
The total of indoor units displaying "UA" and indoor units connected to the same refrigerant system is within connectable number of unit*
NO
There are too many indoor units within the same refrigerant system.
YES
Push and hold the RESET button on the outdoor unit PC board for 5 seconds.
Does a malfunction occur?
NO
Normal
YES
Does the refrigerant type of indoor and outdoor unit match?
NO
Matches the refrigerant type of indoor and outdoor unit.
YES
Replace outdoor unit PC board (A1P).

(V2827)

* The number of indoor units that can be connected to a single outdoor unit system depends on the type of outdoor unit.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.48 "UC" Address Duplication of Central Remote Controller

Remote Controller Display

UC

Applicable Models

All models of indoor unit
Centralized controller

Method of Malfunction Detection

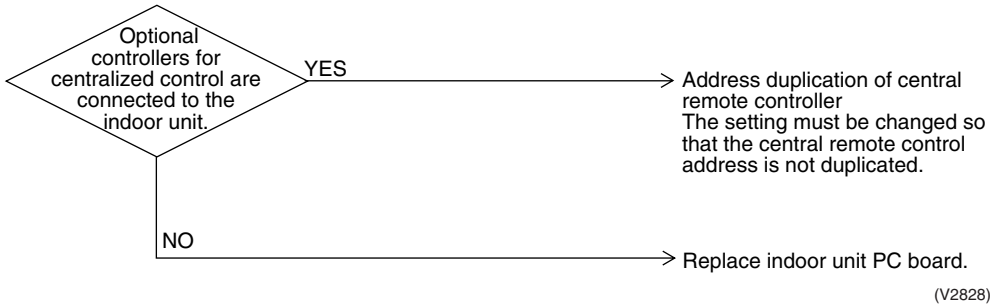
Malfunction Decision Conditions

Supposed Causes

- Address duplication of centralized remote controller
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Optional controllers for centralized control are connected to the indoor unit.
YES
Address duplication of central remote controller
The setting must be changed so that the central remote control address is not duplicated.
NO
Replace indoor unit PC board.

(V2828)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

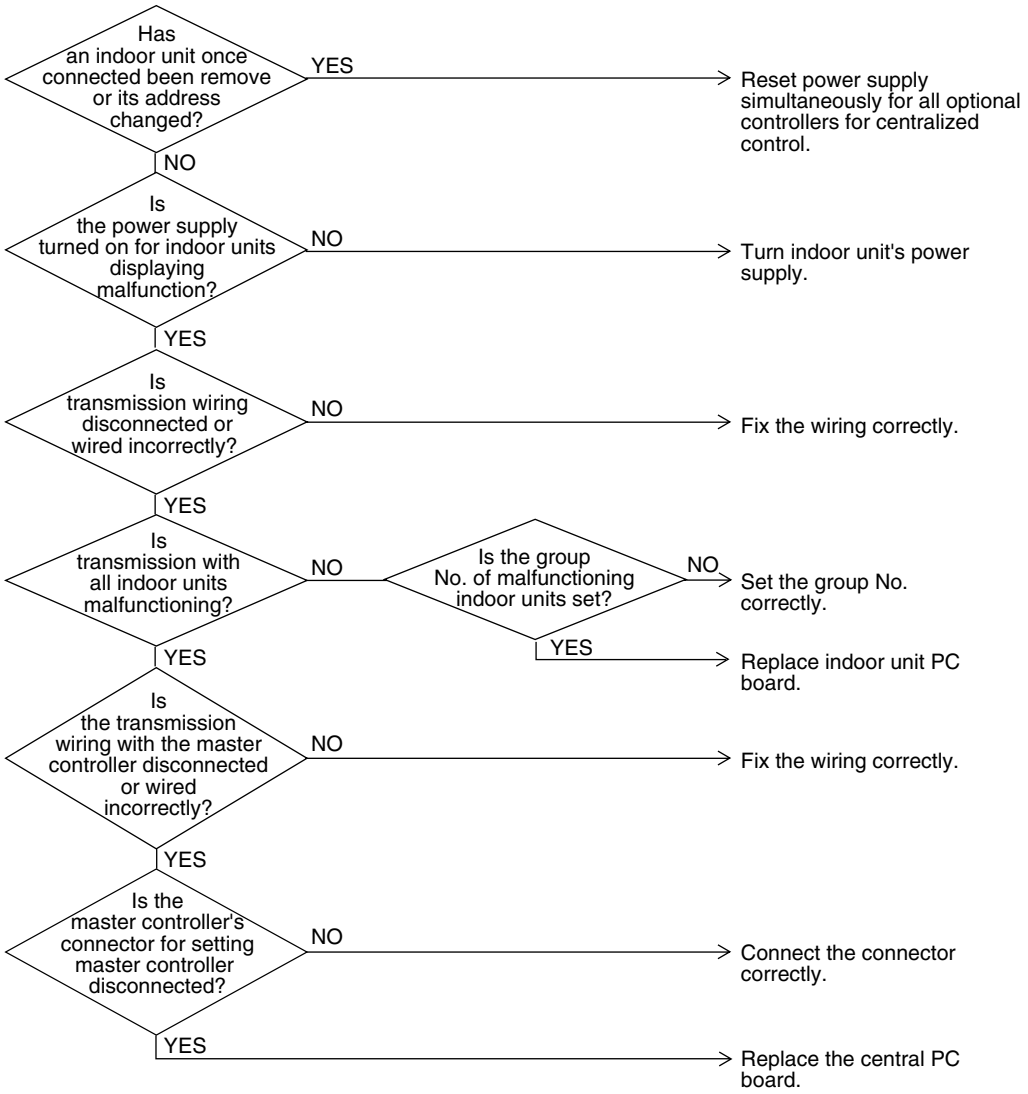
2.49 "UE" Malfunction of Transmission Between Central Remote Controller and Indoor Unit

Remote Controller Display	UE
Applicable Models	All models of indoor units Centralized controller
Method of Malfunction Detection	Microcomputer checks if transmission between indoor unit and centralized remote controller is normal.
Malfunction Decision Conditions	When transmission is not carried out normally for a certain amount of time
Supposed Causes	■ Malfunction of transmission between optional controllers for centralized control and indoor unit ■ Connector for setting master controller is disconnected. ■ Failure of PC board for centralized remote controller ■ Defect of indoor unit PC board

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has an indoor unit once connected been remove or its address changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for indoor units displaying malfunction?
NO
Turn indoor unit's power supply.
YES
Is transmission wiring disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
Is transmission with all indoor units malfunctioning?
NO
Is the group No. of malfunctioning indoor units set?
NO
Set the group No. correctly.
YES
Replace indoor unit PC board.
YES
Is the transmission wiring with the master controller disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
Is the master controller's connector for setting master controller disconnected?
NO
Connect the connector correctly.
YES
Replace the central PC board.

(V2829)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.50 "UF" Refrigerant System not Set, Incompatible Wiring/ Piping

Remote Controller Display

UF

Applicable Models

All models of indoor units
RX(Y)5~48M

Method of Malfunction Detection

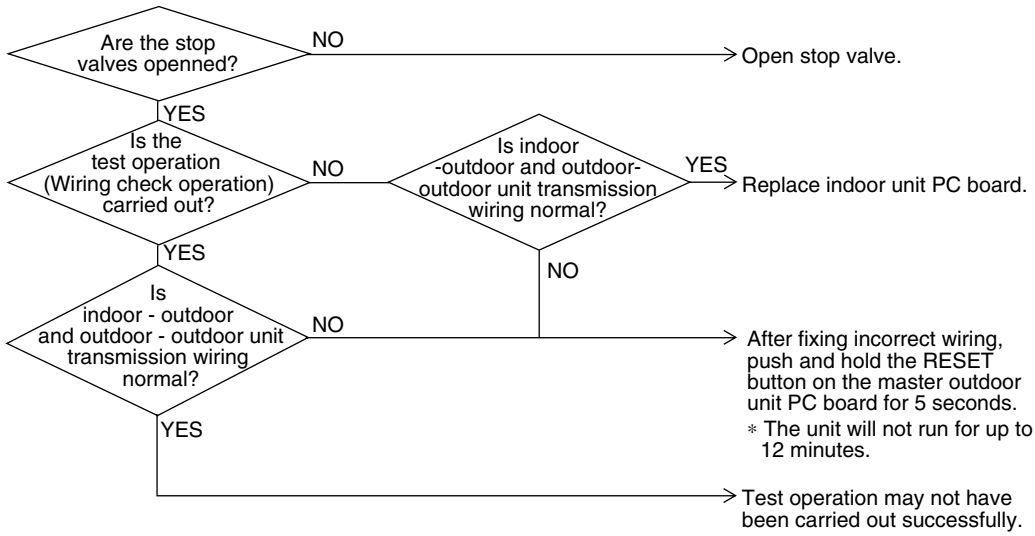
Malfunction Decision Conditions

Supposed Causes

- Improper connection of transmission wiring between outdoor unit and outdoor unit outside control adaptor
- Failure to execute wiring check operation
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Are the stop valves openned?
NO
Open stop valve.
YES
Is the test operation (Wiring check operation) carried out?
NO
Is indoor -outdoor and outdoor- outdoor unit transmission wiring normal?
YES
Replace indoor unit PC board.
YES
NO
Is indoor - outdoor and outdoor - outdoor unit transmission wiring normal?
NO
After fixing incorrect wiring, push and hold the RESET button on the master outdoor unit PC board for 5 seconds.
∗ The unit will not run for up to 12 minutes.
YES
Test operation may not have been carried out successfully.

(V2830)

Note: Test operation may not be successful if carried out after the outdoor unit has been off for more than 12 hours, or if it is not carried out after running all connected indoor units in the fan mode for at least an hour.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.51 "UH" Malfunction of System, Refrigerant System Address Undefined

Remote Controller Display

UH

Applicable Models

All models of indoor units
RX(Y)5~48M

Method of Malfunction Detection

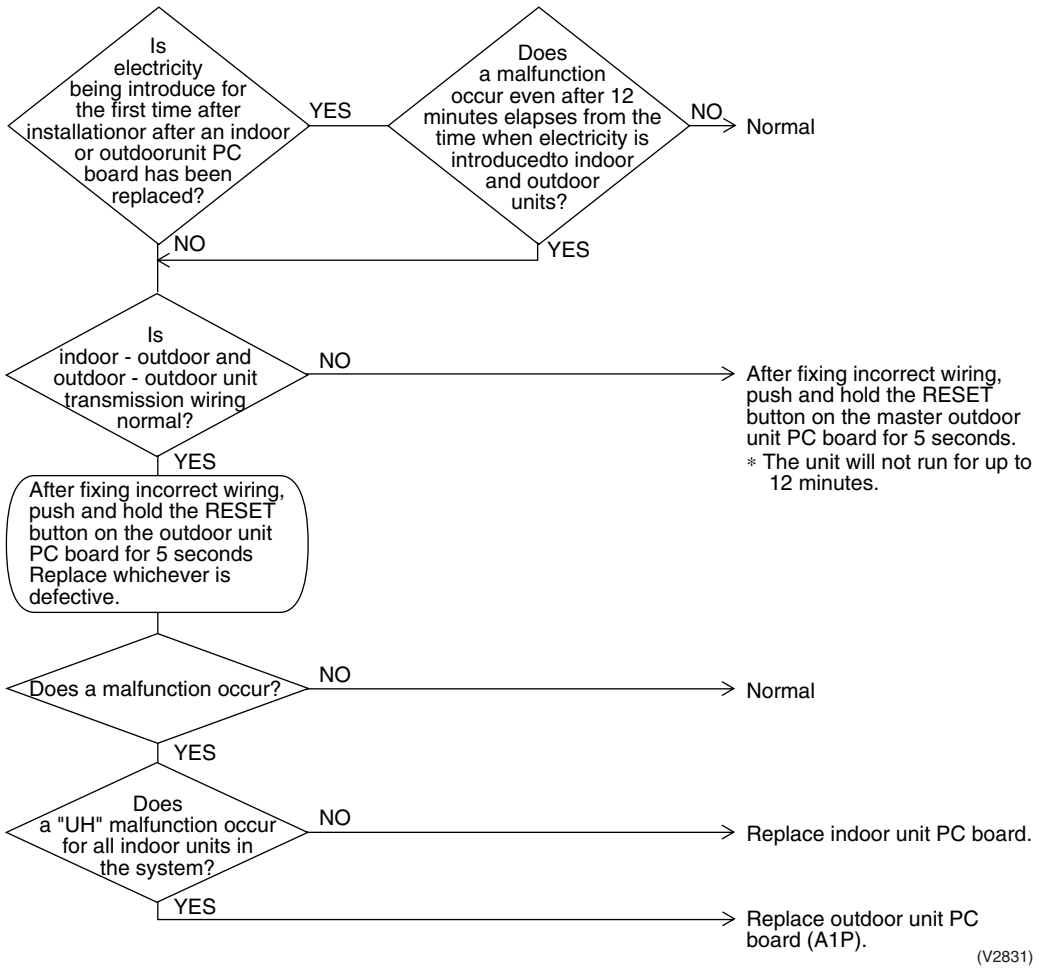
Malfunction Decision Conditions

Supposed Causes

- Improper connection of transmission wiring between outdoor unit and outdoor unit outside control adaptor
- Defect of indoor unit PC board
- Defect of outdoor unit PC board (A1P)

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is electricity being introduce for the first time after installationor after an indoor or outdoorunit PC board has been replaced?
YES
Does a malfunction occur even after 12 minutes elapses from the time when electricity is introducedto indoor and outdoor units?
NO
Normal
NO
YES
Is indoor - outdoor and outdoor - outdoor unit transmission wiring normal?
NO
After fixing incorrect wiring, push and hold the RESET button on the master outdoor unit PC board for 5 seconds.
∗ The unit will not run for up to 12 minutes.
YES
After fixing incorrect wiring, push and hold the RESET button on the outdoor unit PC board for 5 seconds Replace whichever is defective.
Does a malfunction occur?
NO
Normal
YES
Does a "UH" malfunction occur for all indoor units in the system?
NO
Replace indoor unit PC board.
YES
Replace outdoor unit PC board (A1P).

(V2831)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. Troubleshooting (OP: Central Remote Controller)

3.1 "UE" Malfunction of Transmission Between Central Remote Controller and Indoor Unit

Remote Controller Display

UE

Applicable Models

All models of indoor units
RX(Y)5~48M

Method of Malfunction Detection

Microcomputer checks if transmission between indoor unit and central remote controller is normal.

Malfunction Decision Conditions

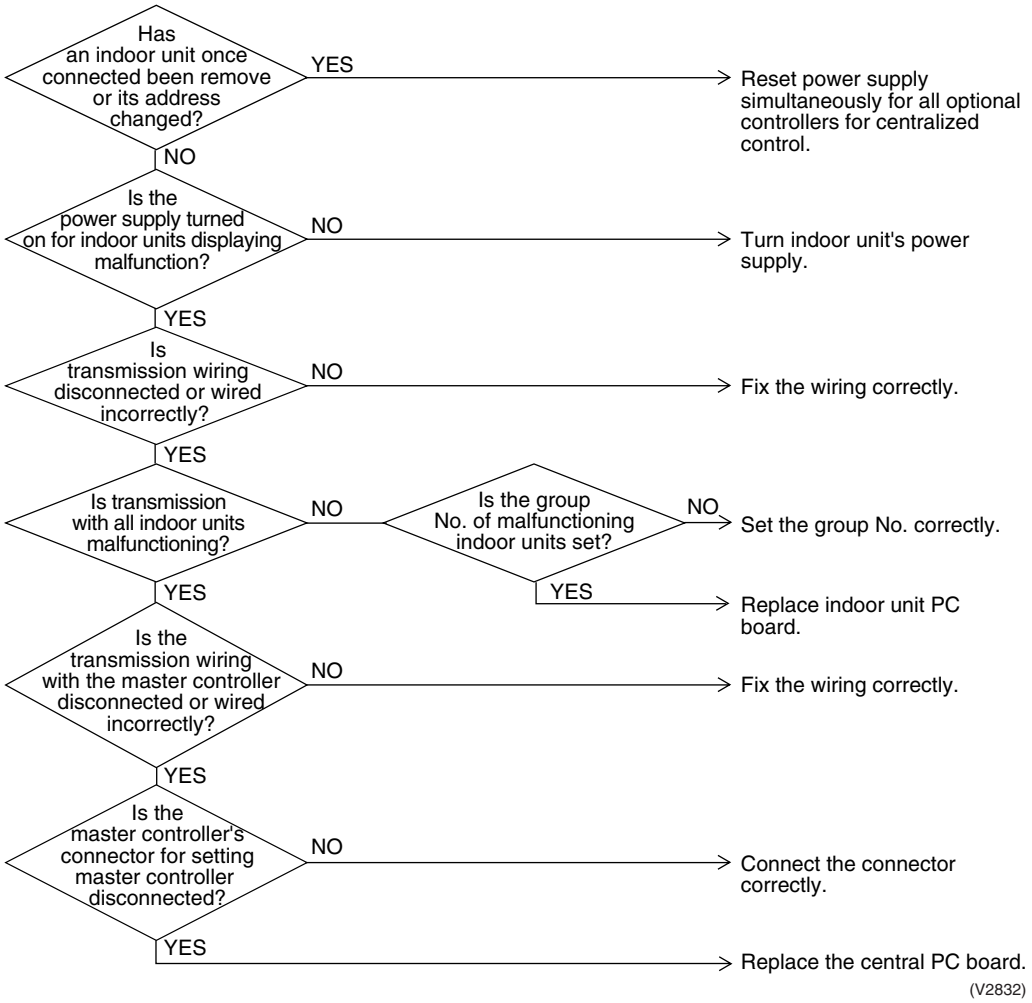
When transmission is not carried out normally for a certain amount of time

Supposed Causes

- Malfunction of transmission between optional controllers for centralized control and indoor unit
- Connector for setting master controller is disconnected.
- Failure of PC board for central remote controller
- Defect of indoor unit PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has an indoor unit once connected been remove or its address changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for indoor units displaying malfunction?
NO
Turn indoor unit's power supply.
YES
Is transmission wiring disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
Is transmission with all indoor units malfunctioning?
NO
Is the group No. of malfunctioning indoor units set?
NO
Set the group No. correctly.
YES
Replace indoor unit PC board.
YES
Is the transmission wiring with the master controller disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
Is the master controller's connector for setting master controller disconnected?
NO
Connect the connector correctly.
YES
Replace the central PC board.

(V2832)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.2 "M1" PC Board Defect

Remote Controller Display	M1
Applicable Models	Centralized remote controller
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Defect of central remote controller PC board
Troubleshooting	Replace the central remote controller PC board.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.3 "M8" Malfunction of Transmission Between Optional Controllers for Centralized Control

Remote Controller Display

M8

Applicable Models

Centralized remote controller

Method of Malfunction Detection

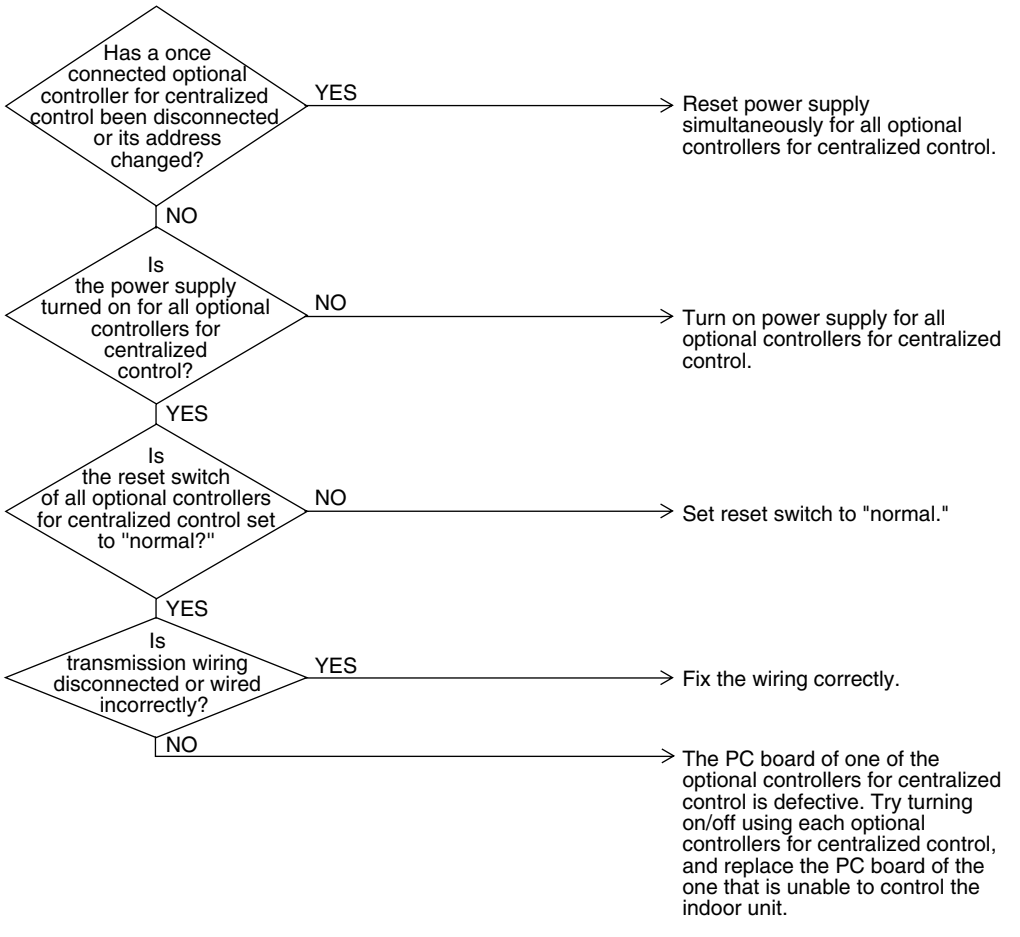
Malfunction Decision Conditions

Supposed Causes

- Malfunction of transmission between optional controllers for centralized control
- Defect of PC board of optional controllers for centralized control

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has a once connected optional controller for centralized control been disconnected or its address changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for all optional controllers for centralized control?
NO
Turn on power supply for all optional controllers for centralized control.
YES
Is the reset switch of all optional controllers for centralized control set to "normal?"
NO
Set reset switch to "normal."
YES
Is transmission wiring disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
The PC board of one of the optional controllers for centralized control is defective. Try turning on/off using each optional controllers for centralized control, and replace the PC board of the one that is unable to control the indoor unit.

(V2833)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

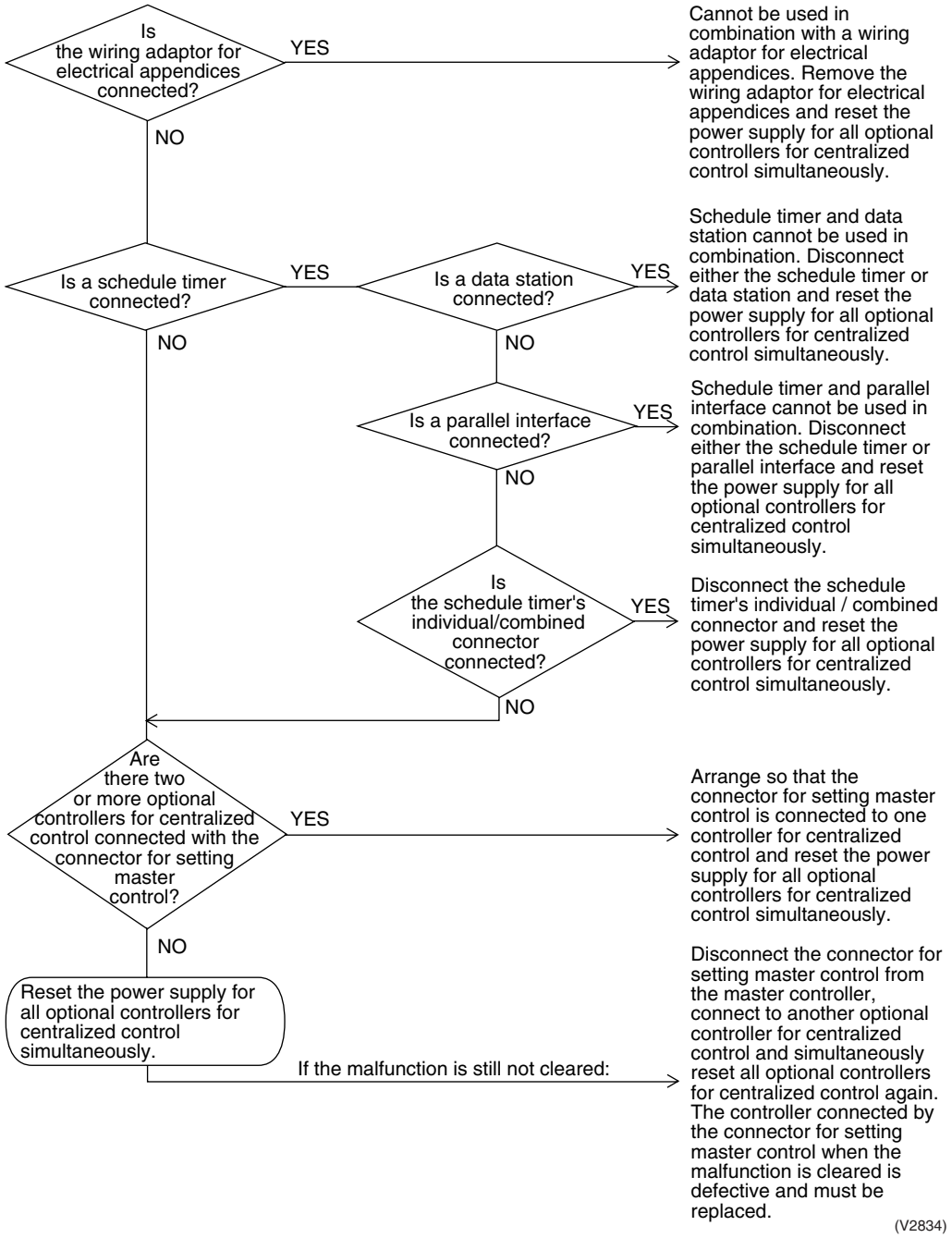
3.4 "MA" Improper Combination of Optional Controllers for Centralized Control

Remote Controller Display	MA
Applicable Models	Centralized remote controller
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Improper combination of optional controllers for centralized control ■ More than one master controller is connected ■ Defect of PC board of optional controller for centralized control

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the wiring adaptor for electrical appendices connected?
YES
Cannot be used in combination with a wiring adaptor for electrical appendices. Remove the wiring adaptor for electrical appendices and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Is a schedule timer connected?
YES
Is a data station connected?
YES
Schedule timer and data station cannot be used in combination. Disconnect either the schedule timer or data station and reset the power supply for all optional controllers for centralized control simultaneously.
NO
NO
Is a parallel interface connected?
YES
Schedule timer and parallel interface cannot be used in combination. Disconnect either the schedule timer or parallel interface and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Is the schedule timer's individual/combined connector connected?
YES
Disconnect the schedule timer's individual / combined connector and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Are there two or more optional controllers for centralized control connected with the connector for setting master control?
YES
Arrange so that the connector for setting master control is connected to one controller for centralized control and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Reset the power supply for all optional controllers for centralized control simultaneously.
If the malfunction is still not cleared:
Disconnect the connector for setting master control from the master controller, connect to another optional controller for centralized control and simultaneously reset all optional controllers for centralized control again. The controller connected by the connector for setting master control when the malfunction is cleared is defective and must be replaced.
(V2834)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.5 "MC" Address Duplication, Improper Setting

Remote Controller Display

MC

Applicable Models

Centralized remote controller

Method of Malfunction Detection

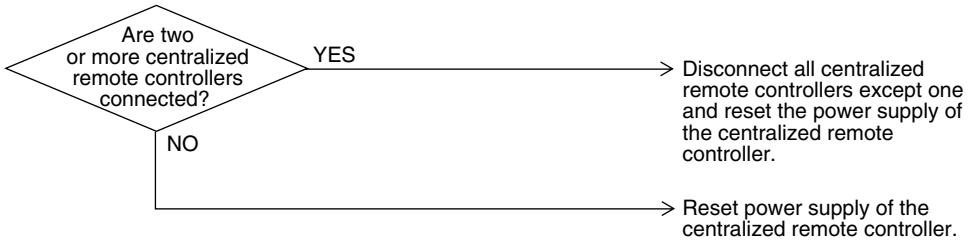
Malfunction Decision Conditions

Supposed Causes

- Address duplication of centralized remote controller

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Are two or more centralized remote controllers connected?
YES
Disconnect all centralized remote controllers except one and reset the power supply of the centralized remote controller.
NO
Reset power supply of the centralized remote controller.

(V2835)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4. Troubleshooting (OP: Schedule Timer)

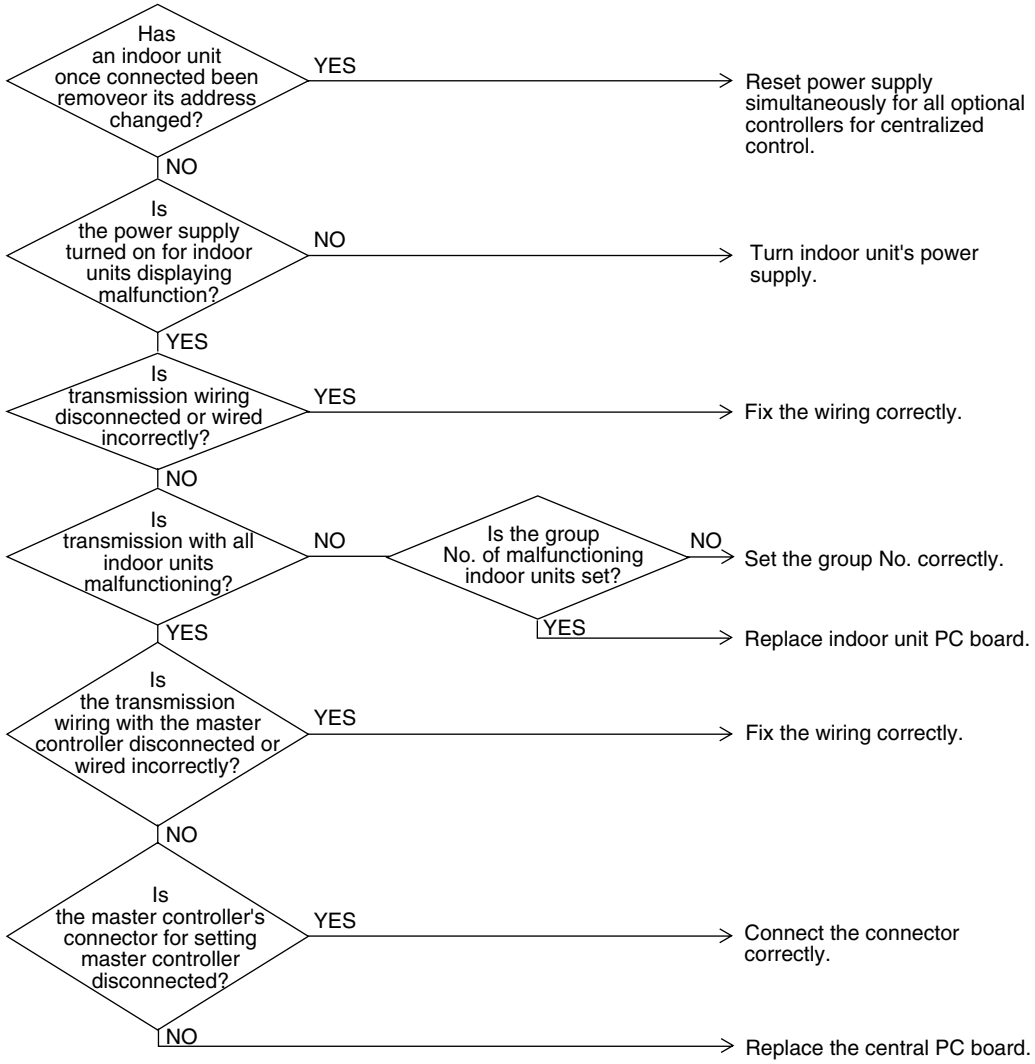
4.1 "UE" Malfunction of Transmission Between Central Remote Controller and Indoor Unit

Remote Controller Display	UE
Applicable Models	Schedule timer
Method of Malfunction Detection	Microcomputer checks if transmission between indoor unit and centralized remote controller is normal.
Malfunction Decision Conditions	When transmission is not carried out normally for a certain amount of time
Supposed Causes	■ Malfunction of transmission between central remote controller and indoor unit ■ Disconnection of connector for setting master controller (or individual/combined switching connector) ■ Defect of schedule timer PC board ■ Defect of indoor unit PC board

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has an indoor unit once connected been removeor its address changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for indoor units displaying malfunction?
NO
Turn indoor unit's power supply.
YES
Is transmission wiring disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
Is transmission with all indoor units malfunctioning?
NO
Is the group No. of malfunctioning indoor units set?
NO
Set the group No. correctly.
YES
Replace indoor unit PC board.
YES
Is the transmission wiring with the master controller disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
Is the master controller's connector for setting master controller disconnected?
YES
Connect the connector correctly.
NO
Replace the central PC board.

(V2836)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.2 "M1" PC Board Defect

Remote Controller Display

M1

Applicable Models

Schedule timer

Method of Malfunction Detection

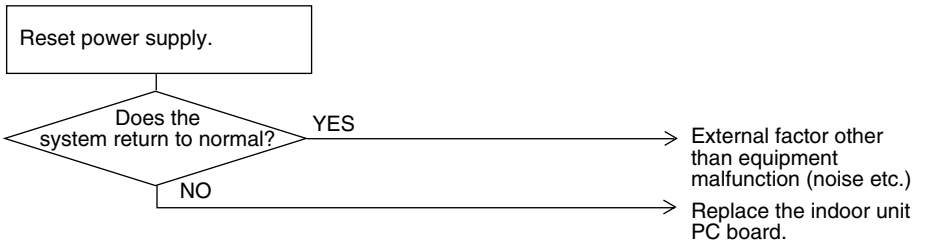
Malfunction Decision Conditions

Supposed Causes

- Defect of schedule timer PC board

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Reset power supply.
Does the system return to normal?
YES
External factor other than equipment malfunction (noise etc.)
NO
Replace the indoor unit PC board.

(V2837)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.3 "M8" Malfunction of Transmission Between Optional Controllers for Centralized Control

Remote Controller Display

M8

Applicable Models

All models of indoor units, schedule timer

Method of Malfunction Detection

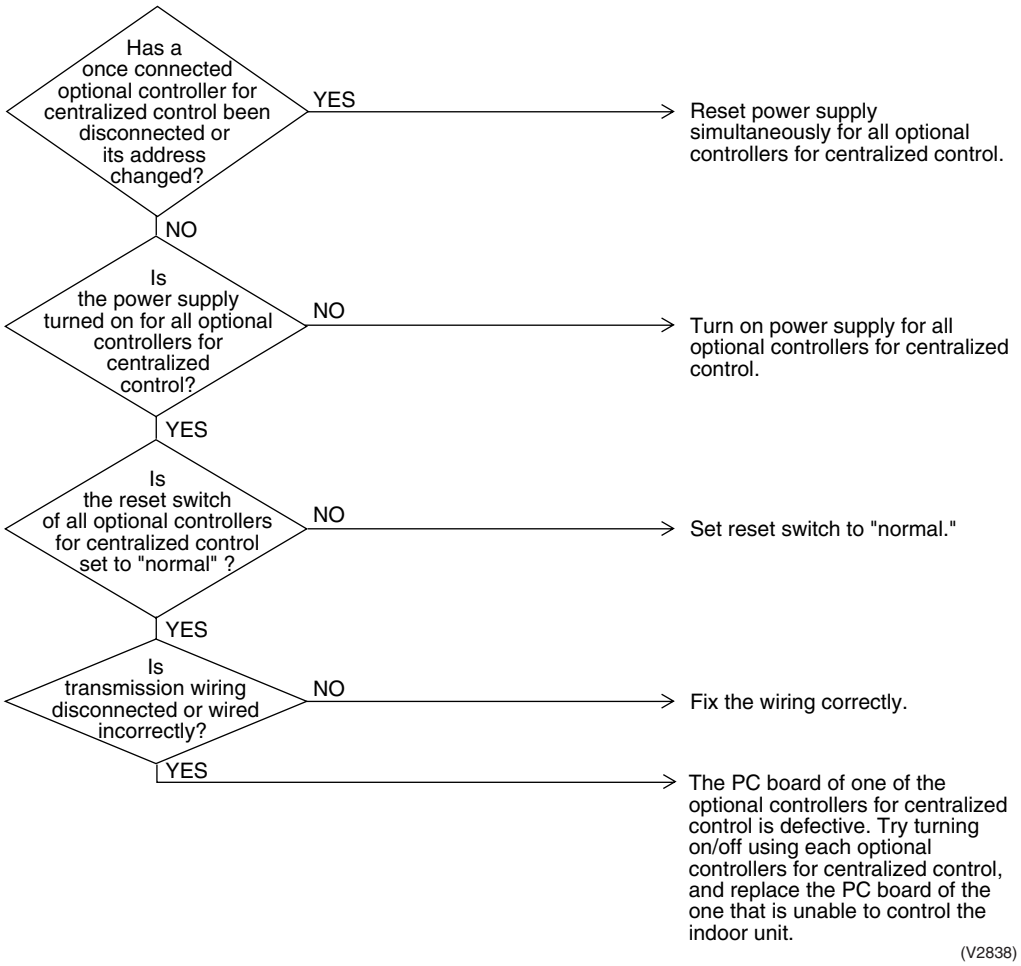
Malfunction Decision Conditions

Supposed Causes

- Malfunction of transmission between optional controllers for centralized control
- Defect of PC board of optional controllers for centralized control

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has a once connected optional controller for centralized control been disconnected or its address changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for all optional controllers for centralized control?
NO
Turn on power supply for all optional controllers for centralized control.
YES
Is the reset switch of all optional controllers for centralized control set to "normal" ?
NO
Set reset switch to "normal."
YES
Is transmission wiring disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
The PC board of one of the optional controllers for centralized control is defective. Try turning on/off using each optional controllers for centralized control, and replace the PC board of the one that is unable to control the indoor unit.

(V2838)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

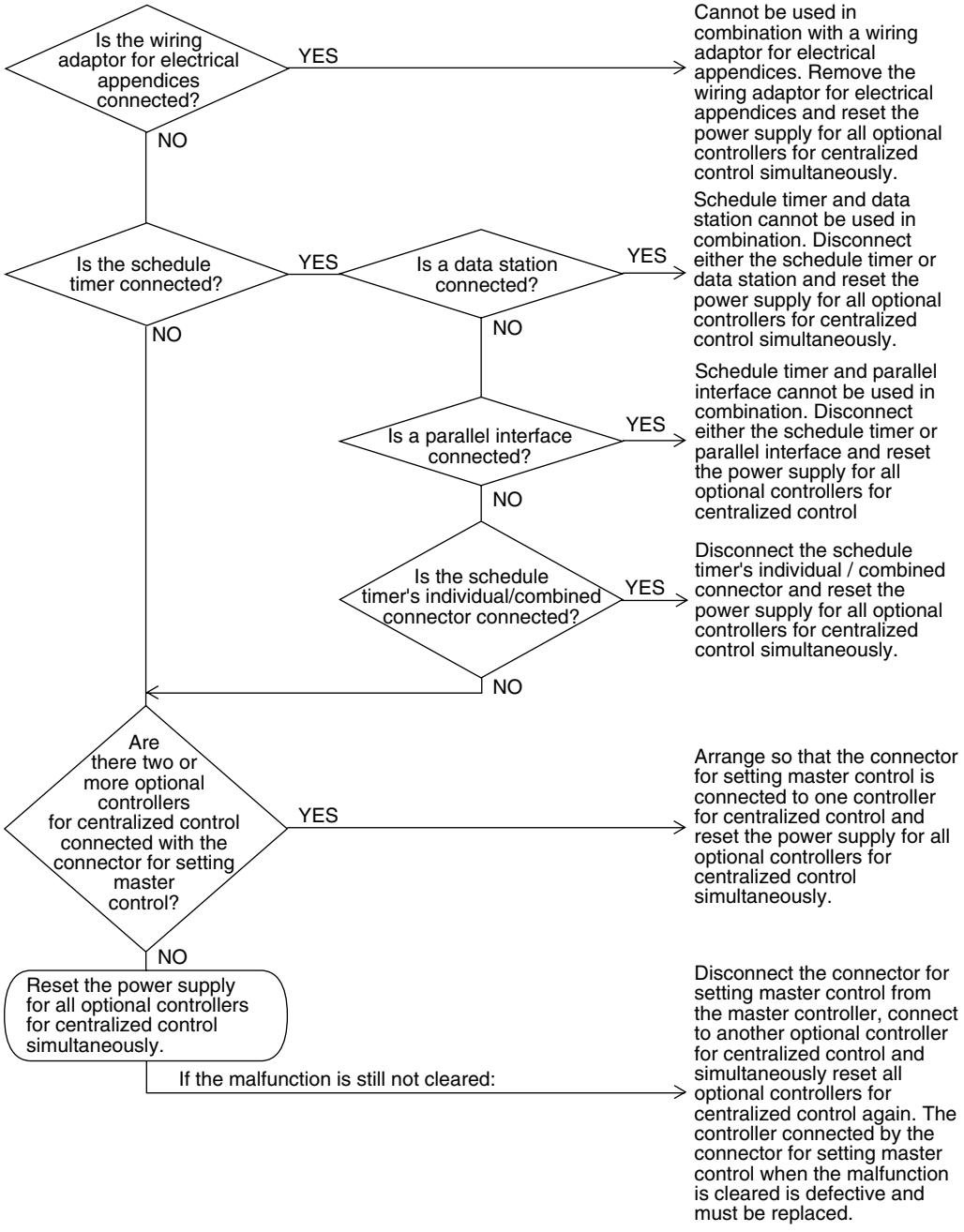
4.4 "MA" Improper Combination of Optional Controllers for Centralized Control

Remote Controller Display	MA
Applicable Models	All models of indoor units, schedule timer
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Improper combination of optional controllers for centralized control ■ More than one master controller is connected. ■ Defect of PC board of optional controller for centralized control

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the wiring adaptor for electrical appendices connected?
YES
Cannot be used in combination with a wiring adaptor for electrical appendices. Remove the wiring adaptor for electrical appendices and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Is the schedule timer connected?
YES
Is a data station connected?
YES
Schedule timer and data station cannot be used in combination. Disconnect either the schedule timer or data station and reset the power supply for all optional controllers for centralized control simultaneously.
NO
NO
Is a parallel interface connected?
YES
Schedule timer and parallel interface cannot be used in combination. Disconnect either the schedule timer or parallel interface and reset the power supply for all optional controllers for centralized control
NO
Is the schedule timer's individual/combined connector connected?
YES
Disconnect the schedule timer's individual / combined connector and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Are there two or more optional controllers for centralized control connected with the connector for setting master control?
YES
Arrange so that the connector for setting master control is connected to one controller for centralized control and reset the power supply for all optional controllers for centralized control simultaneously.
NO
Reset the power supply for all optional controllers for centralized control simultaneously.
If the malfunction is still not cleared:
Disconnect the connector for setting master control from the master controller, connect to another optional controller for centralized control and simultaneously reset all optional controllers for centralized control again. The controller connected by the connector for setting master control when the malfunction is cleared is defective and must be replaced.

(V2839)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.5 "MC" Address Duplication, Improper Setting

Remote Controller Display

MC

Applicable Models

All models of indoor units,
schedule timer

Method of Malfunction Detection

Malfunction Decision Conditions

Supposed Causes

- Address duplication of optional controller for centralized control

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.

Are two or more centralized controller connected?
YES
Disconnect all centralized controller except one and reset the centralized controller timer's power supply.
NO
Reset the power supply for the centralized controller.

(V2840)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

5. Troubleshooting (OP: Unified ON/OFF Controller)

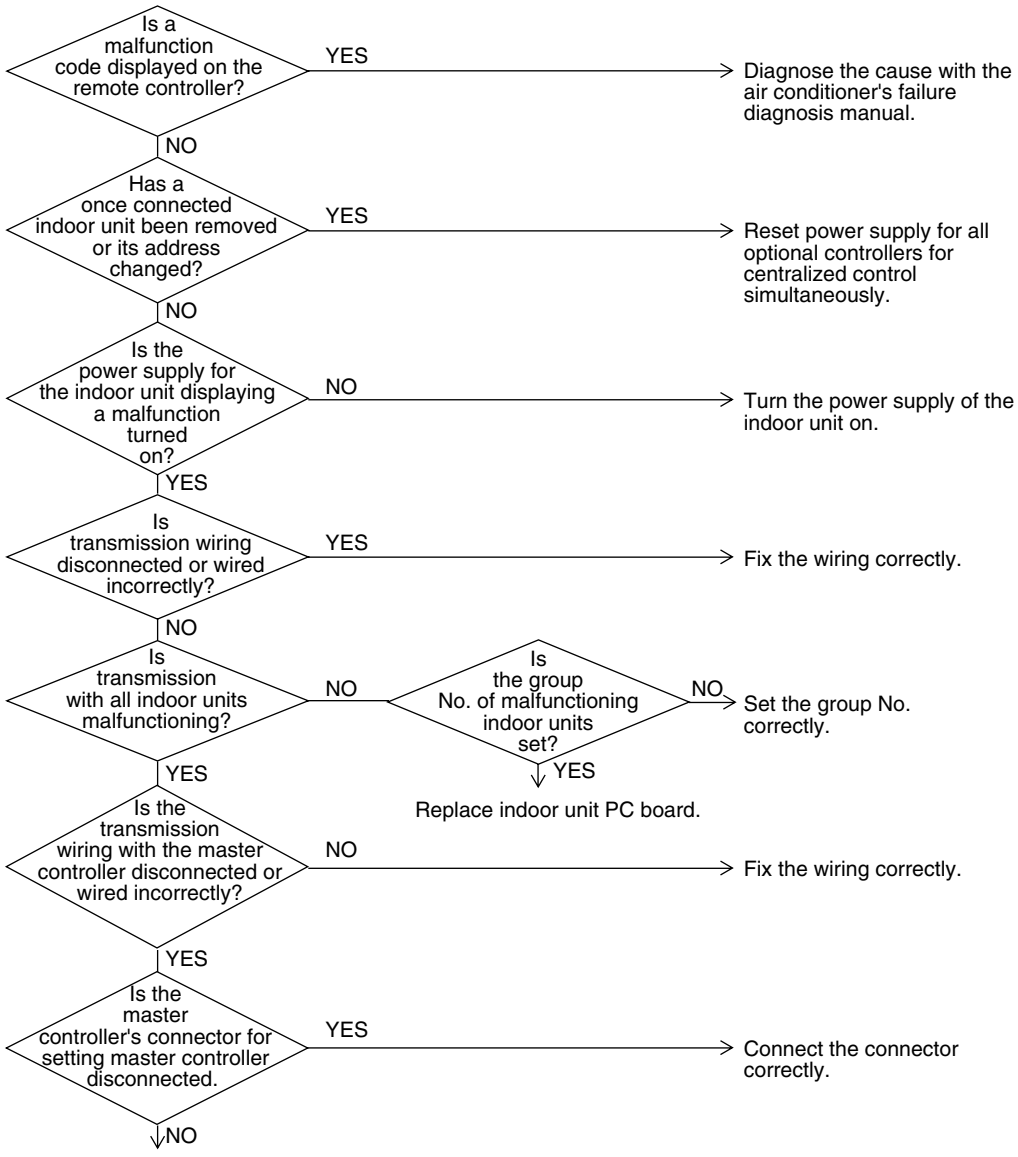
5.1 Operation Lamp Blinks

Remote Controller Display	Operation lamp blinks
Applicable Models	All models of indoor units Unified ON/OFF controller
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Malfunction of transmission between optional controller and indoor unit ■ Connector for setting master controller is disconnected ■ Defect of unified ON/OFF controller ■ Defect of indoor unit PC board ■ Malfunction of air conditioner

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is a malfunction code displayed on the remote controller?
YES
Diagnose the cause with the air conditioner's failure diagnosis manual.
NO
Has a once connected indoor unit been removed or its address changed?
YES
Reset power supply for all optional controllers for centralized control simultaneously.
NO
Is the power supply for the indoor unit displaying a malfunction turned on?
NO
Turn the power supply of the indoor unit on.
YES
Is transmission wiring disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
Is transmission with all indoor units malfunctioning?
NO
Is the group No. of malfunctioning indoor units set?
NO
Set the group No. correctly.
YES
YES
Replace indoor unit PC board.
Is the transmission wiring with the master controller disconnected or wired incorrectly?
NO
Fix the wiring correctly.
YES
Is the master controller's connector for setting master controller disconnected.
YES
Connect the connector correctly.
NO
Replace the central PC board.

(V2841)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

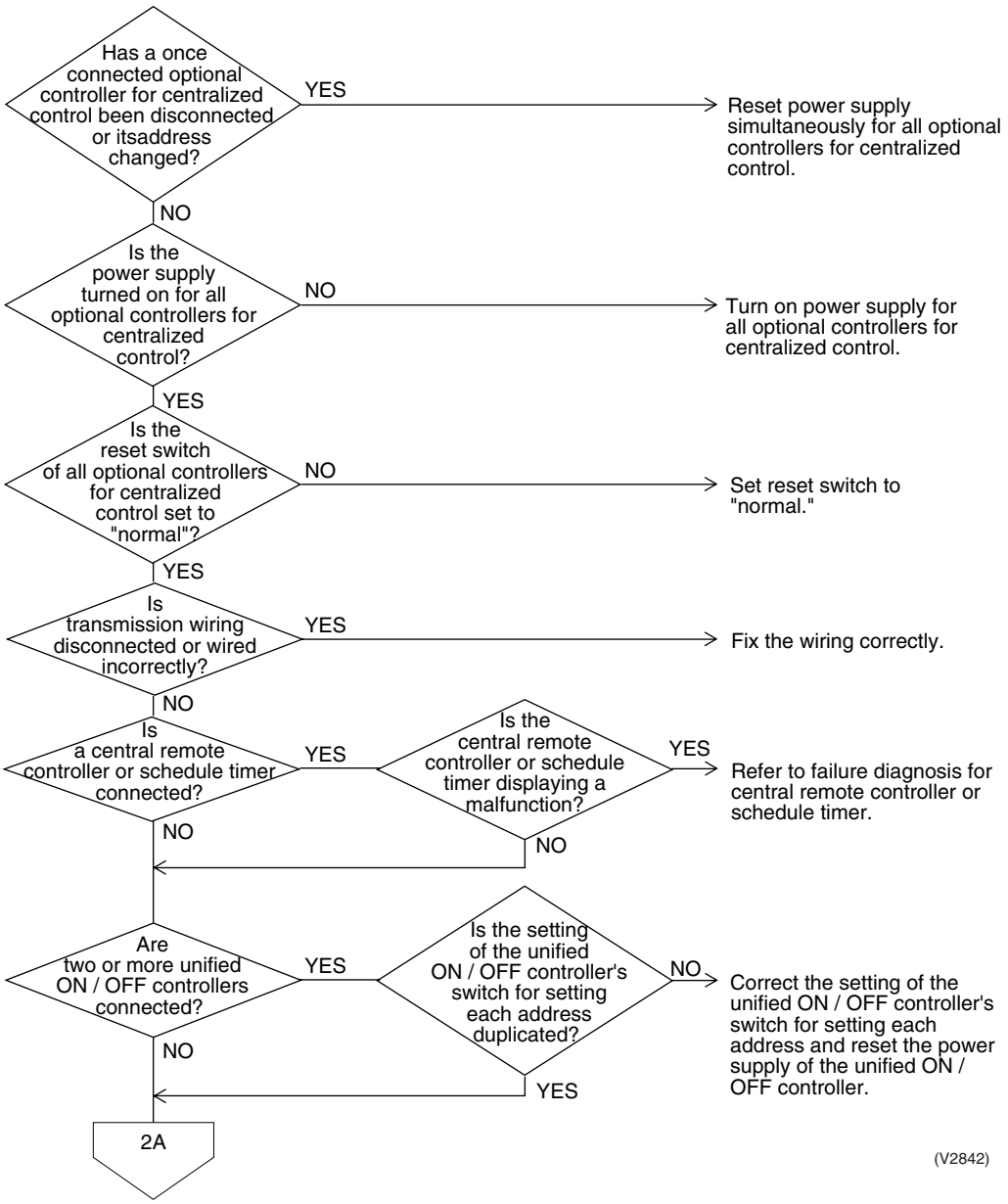
5.2 Display “Under Host Computer Integrate Control” Blinks (Repeats Single Blink)

Remote Controller Display	“under host computer integrated control” (Repeats single blink)
Applicable Models	Unified ON/OFF controller Central controller, Schedule timer
Method of Malfunction Detection	
Malfunction Decision Conditions	
Supposed Causes	■ Address duplication of central remote controller ■ Improper combination of optional controllers for centralized control ■ Connection of more than one master controller ■ Malfunction of transmission between optional controllers for centralized control ■ Defect of PC board of optional controllers for centralized control

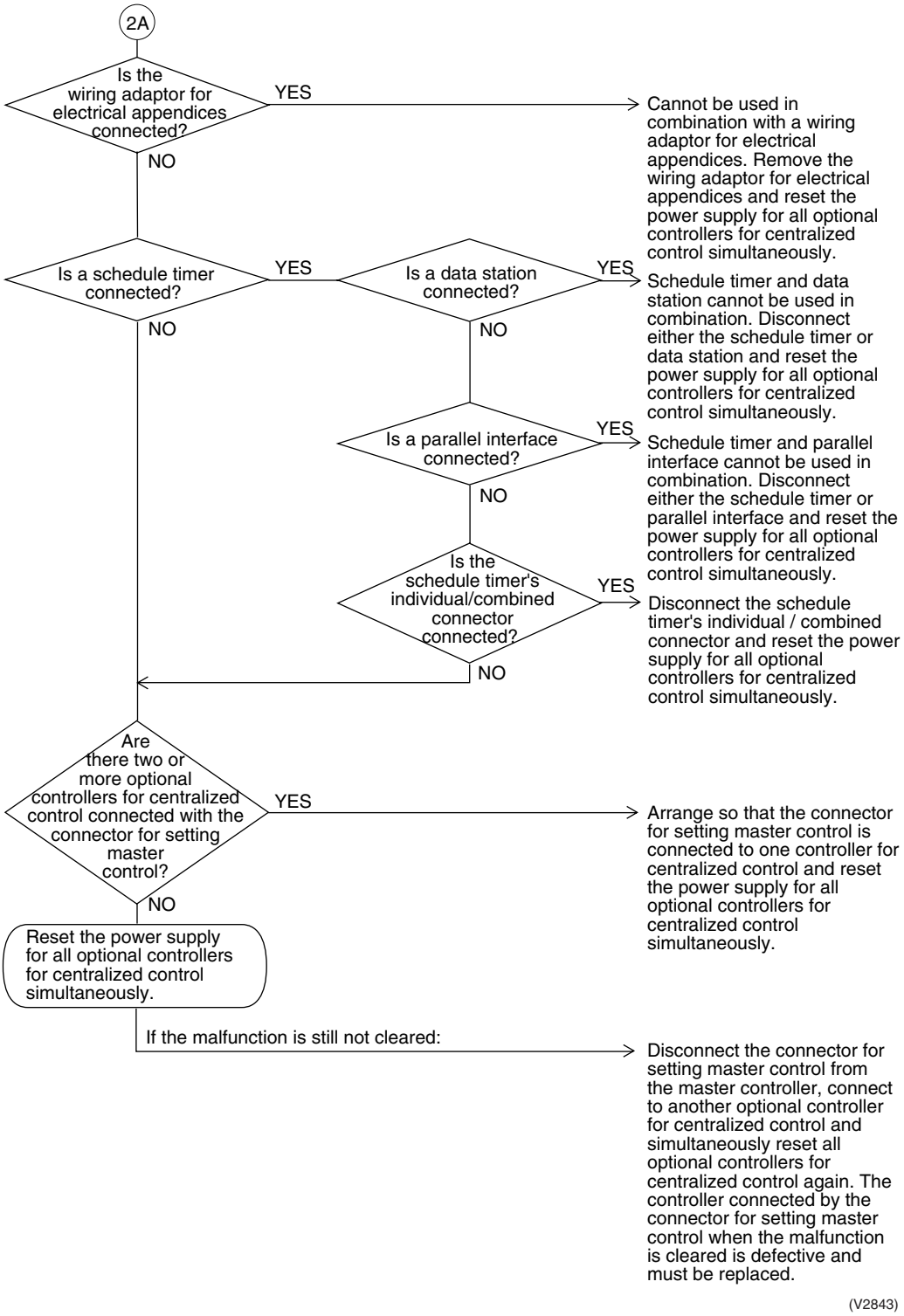
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Has a once connected optional controller for centralized control been disconnected or itsaddress changed?
YES
Reset power supply simultaneously for all optional controllers for centralized control.
NO
Is the power supply turned on for all optional controllers for centralized control?
NO
Turn on power supply for all optional controllers for centralized control.
YES
Is the reset switch of all optional controllers for centralized control set to "normal"?
NO
Set reset switch to "normal."
YES
Is transmission wiring disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
Is a central remote controller or schedule timer connected?
YES
Is the central remote controller or schedule timer displaying a malfunction?
YES
Refer to failure diagnosis for central remote controller or schedule timer.
NO
NO
Are two or more unified ON / OFF controllers connected?
YES
Is the setting of the unified ON / OFF controller's switch for setting each address duplicated?
NO
Correct the setting of the unified ON / OFF controller's switch for setting each address and reset the power supply of the unified ON / OFF controller.
NO
YES
2A
(V2842)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html



(V2843)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

5.3 Display “Under Host Computer Integrate Control” Blinks (Repeats Double Blink)

Remote Controller Display

“under host computer integrated control” (Repeats double blink)

Applicable Models

Unified ON/OFF controller

Method of Malfunction Detection

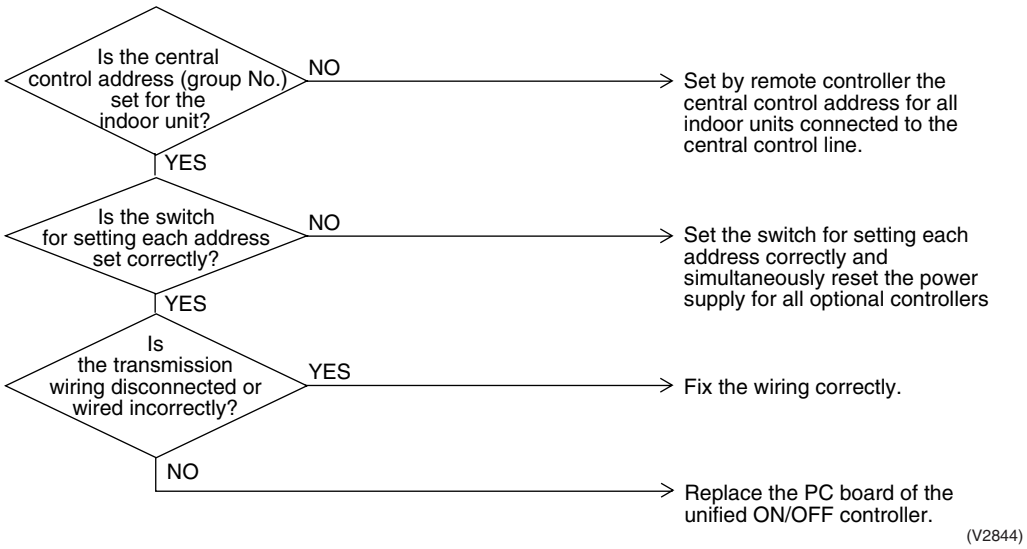
Malfunction Decision Conditions

Supposed Causes

- Central control address (group No.) is not set for indoor unit.
- Improper address setting
- Improper wiring of transmission wiring

Troubleshooting

Caution Be sure to turn off power switch before connect or disconnect connector, or parts damage may be occurred.


Is the central control address (group No.) set for the indoor unit?
NO
Set by remote controller the central control address for all indoor units connected to the central control line.
YES
Is the switch for setting each address set correctly?
NO
Set the switch for setting each address correctly and simultaneously reset the power supply for all optional controllers
YES
Is the transmission wiring disconnected or wired incorrectly?
YES
Fix the wiring correctly.
NO
Replace the PC board of the unified ON/OFF controller.

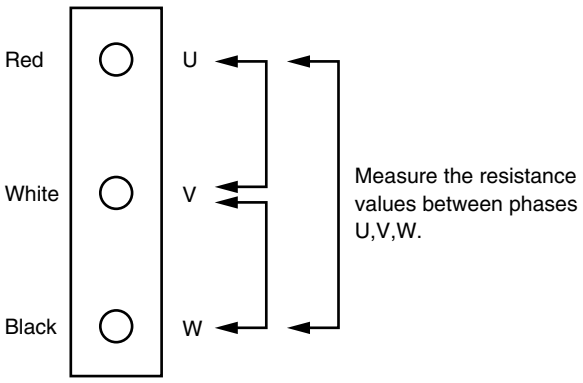
(V2844)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Check No. 8

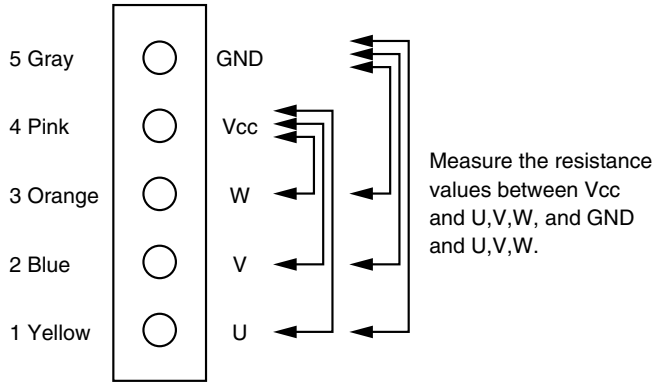
Check on connector of fan motor (Power supply cable)

(1) Turn off the power supply.
Measure the resistance between phases of U,V,W at the motor side connectors (three-core wire) to check that the values are balanced and there is no short circuiting, while connector or relay connector is disconnected.



Check No. 9

(1) Turn off the power supply.
(2) Measure the resistance between Vcc and each phase of U,V,W , and GND and each phase at the motor side connectors (five-core wire) to check that the values are balanced within the range of ± 20 %, while connector or relay connector is disconnected.



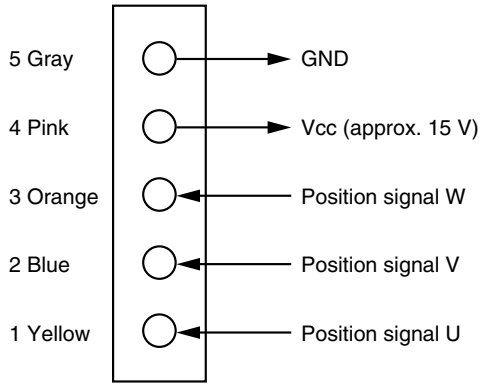
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Check No. 12

Check on pulse input of position signal of fan inverter PCB

(1) Disconnect the connector X2A while power supply OFF and operation OFF.
(2) Is the voltage between pins No. 4 and 5 on X2A approx. 15 V after power supply is turned on?
(3) Connect the connector X2A while power supply OFF and operation OFF.
(4) Check below conditions when the fan motor is rotated one turn manually under the condition of operation OFF after power supply is turned ON.
Are the pulse (approx. 0 V and 5 V) generated 4 times between No. 1 and 5 on X2A?
Are the pulse (approx. 0 V and 5 V) generated 4 times between No. 2 and 5 on X2A?
Are the pulse (approx. 0 V and 5 V) generated 4 times between No. 3 and 5 on X2A?

The condition (2) dose not appear → Faulty PCB → Replacing the PCB The conditions (4) do not appear → Faulty hall IC → Replacing fan motor of outdoor unit



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Part 7
Replacement procedure for INV compressor, VRV II RX(Y)5M to 48M

1. Replacement procedure for INV compressor, VRV II RX(Y)5M-48M 262
1.1 Replacement procedure 262

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Replacement procedure for INV compressor, VRV II RX(Y)5M-48M

1.1 Replacement procedure

(1) Collect the refrigerant by using refrigerant recovery unit.
(Since the setting on outdoor unit PCB is required for refrigerant recovery, refer to the warning plate "Precautions in service work" attached on the switch box cover.)
(2) Remove the sound insulator mat covering the faulty compressor, and disconnect the power cable from terminal board of the compressor.
(3) Disconnect the brazing sections of suction pipe and discharge pipe by using brazing torch after the refrigerant has been collected completely.
(4) Pinch the oil pressure equalizing pipe of the faulty compressor at the lower part of the brazed joint as shown in figure 1, and cut it between the pinched section and brazed joint in order to prevent residual oil from discharging.
(5) Remove three bolts at cushion rubber section to take out the faulty compressor outside the unit.
(6) Check that no oil remains in the oil pressure equalizing pipe as shown in figure 2, then remove the cut pipe from the brazed joint with brazing torch.
(7) Install the new compressor in the unit.
(Be sure to insert the cushion rubbers before tightening the fixing bolts of compressor.)
(8) Remove the rubber caps put on the suction and discharge pipe of the new compressor to release the sealing nitrogen gas.
(Take note that oil may spout due to the pipe inside pressure if the plug put on the equalizing seat is removed before removing of rubber cap.)
(9) Remove the plug put on the equalizing seat of the new compressor.
(10) Install the outlet pipe on the equalizing seat of the new compressor.
(11) Braze the equalizing seat outlet pipe to the oil pressure equalizing pipe with brazing torch.
* Since an O-ring is put in the equalizing seat, be sure to maintain the parts around O-ring in cool.
(12) Braze the suction and discharge pipe with brazing torch to the compressor.
(13) Conduct air tight test to check the piping system is free from leakage.
(14) Connect power cable to the terminal board of compressor and cover the compressor with sound insulator mat.
(15) Conduct vacuum drying.
(Since the setting on outdoor unit PCB is required for vacuum drying, refer to the warning plate “Precautions in service work” attached on the switch box cover.)
(16) Charge refrigerant after the completion of vacuum drying, and check the function of compressor with cooling or heating operation.

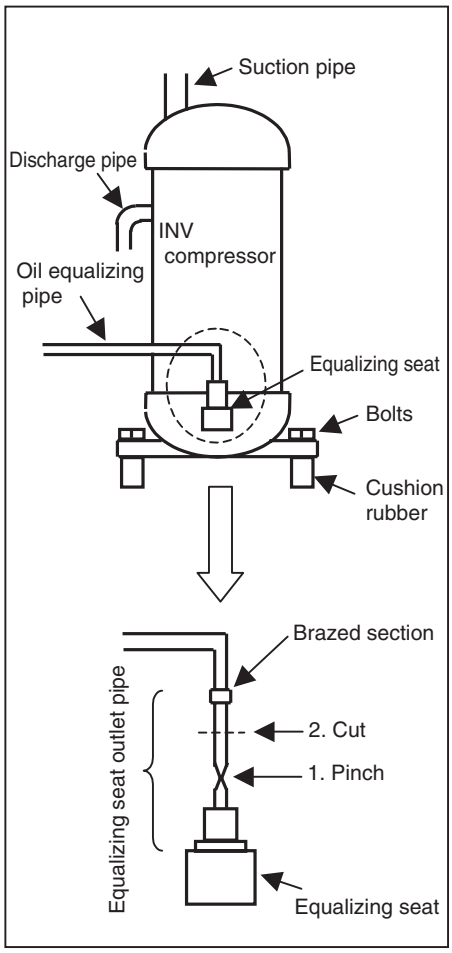


Fig. 1

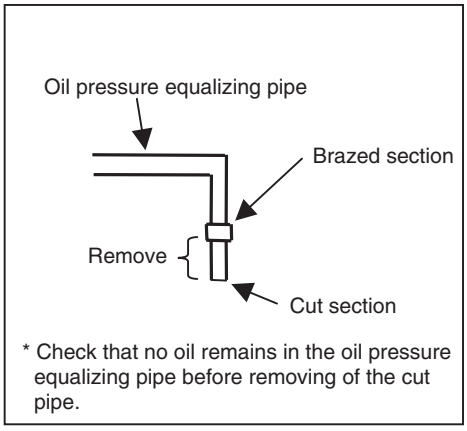

Oil pressure equalizing pipe
Brazed section
Remove
Cut section
* Check that no oil remains in the oil pressure equalizing pipe before removing of the cut pipe.

Fig. 2

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Part 8
Appendix

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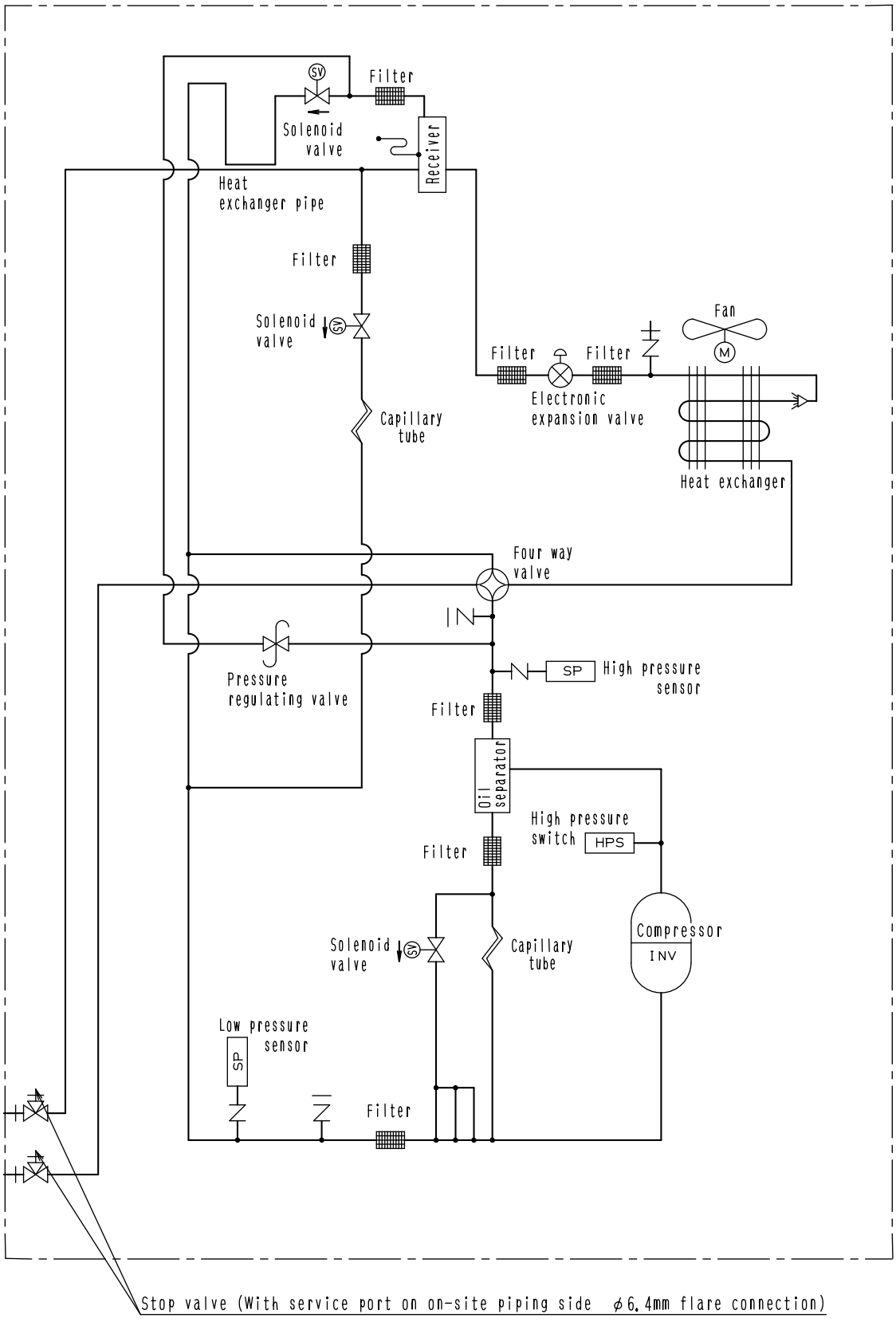
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

1. Piping Diagrams

1.1 Outdoor Unit

1.1.1 Heat Pump

RXY5M



4D041235

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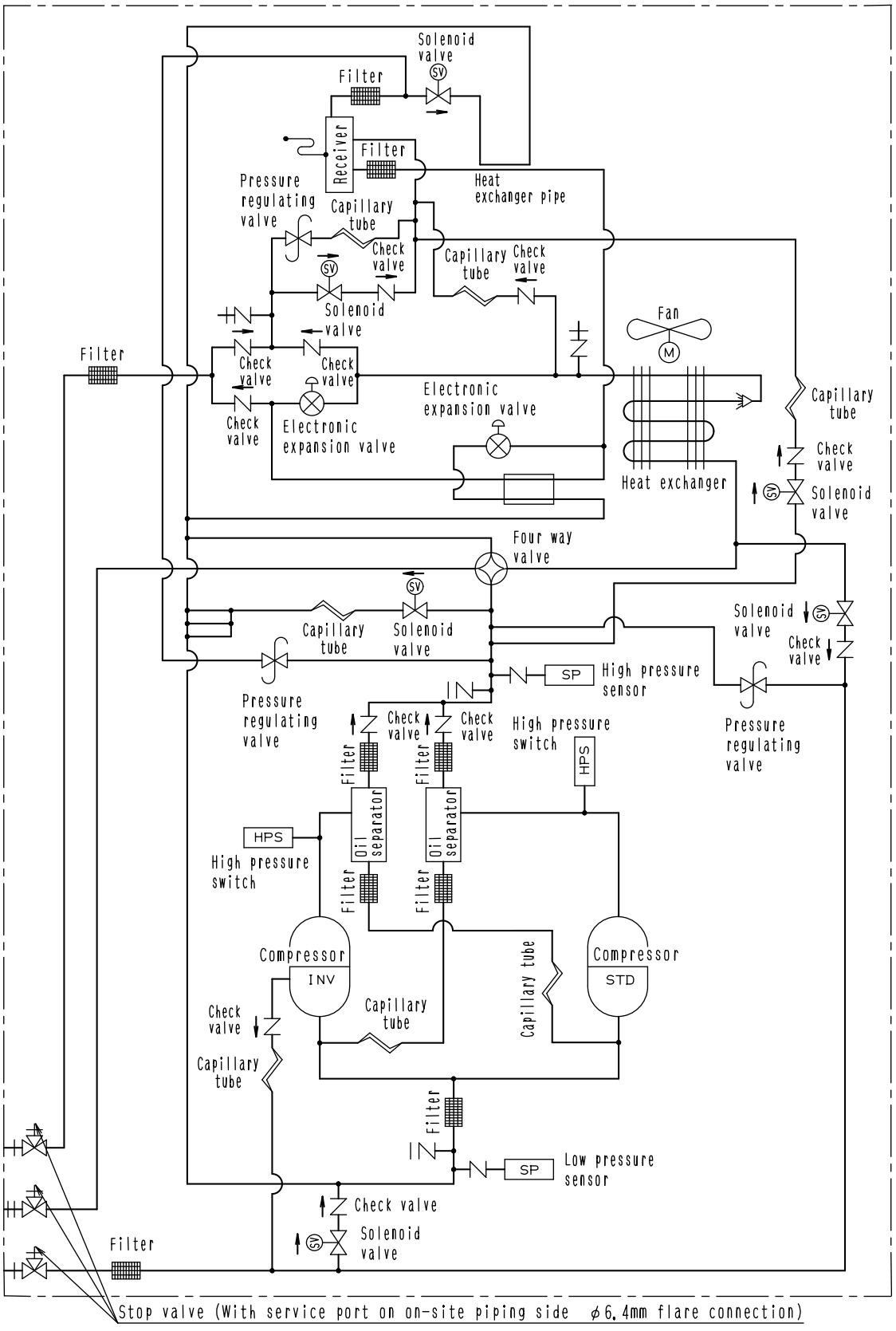
RXY8M
RXY10M
RXY12M



4D041236

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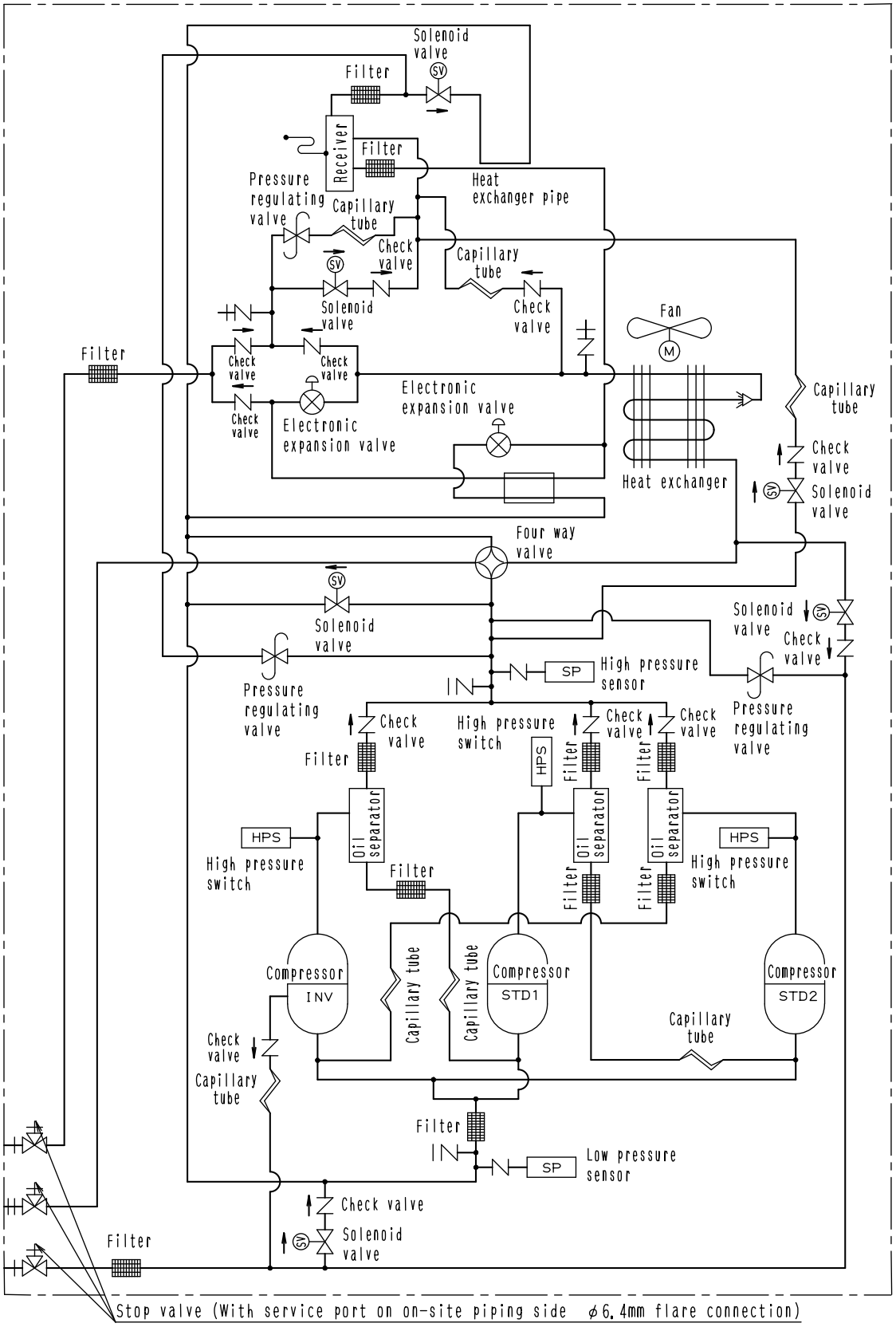
RXY14M
RXY16M



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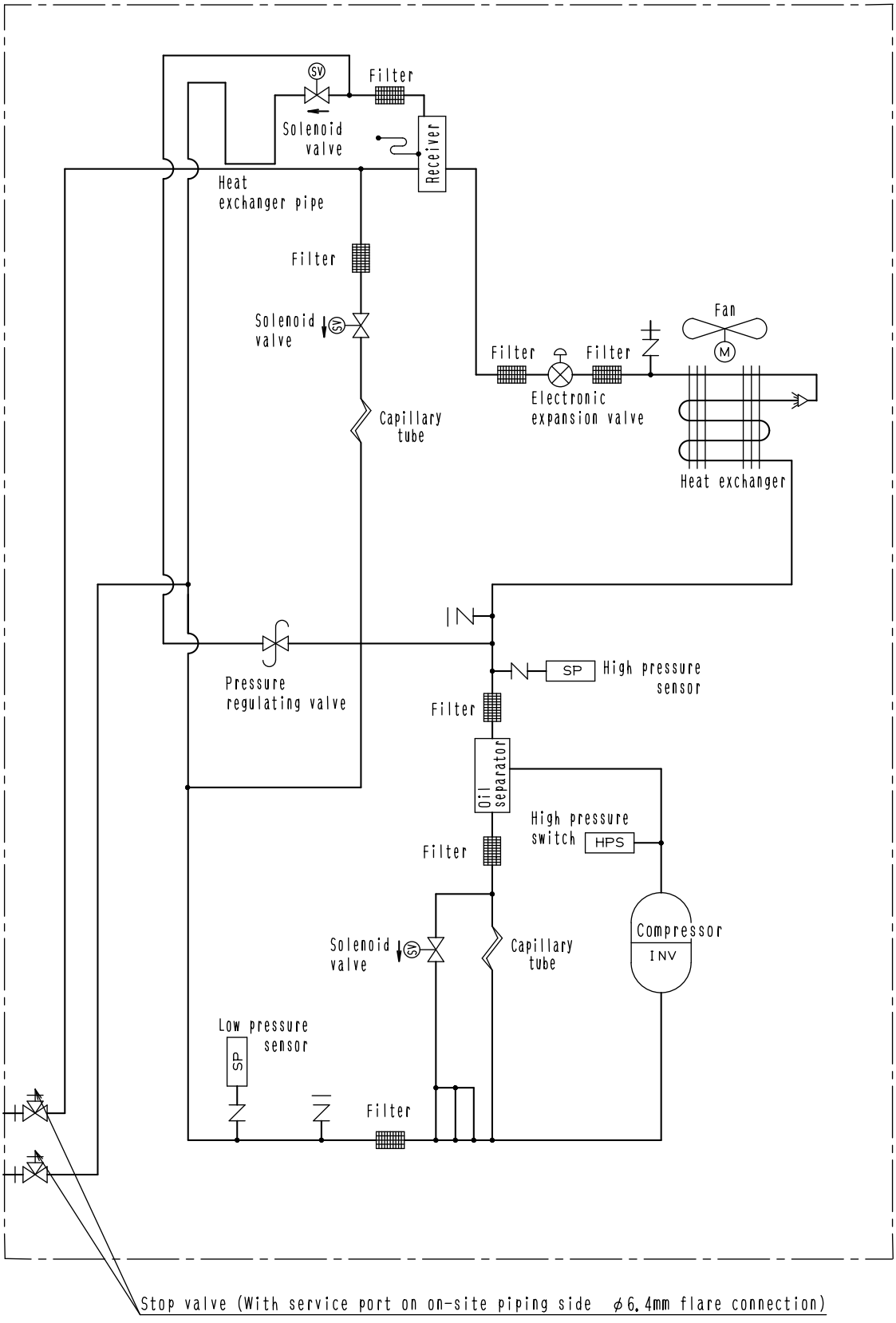
1.1.2 Cooling Only

RX5M



4D041808

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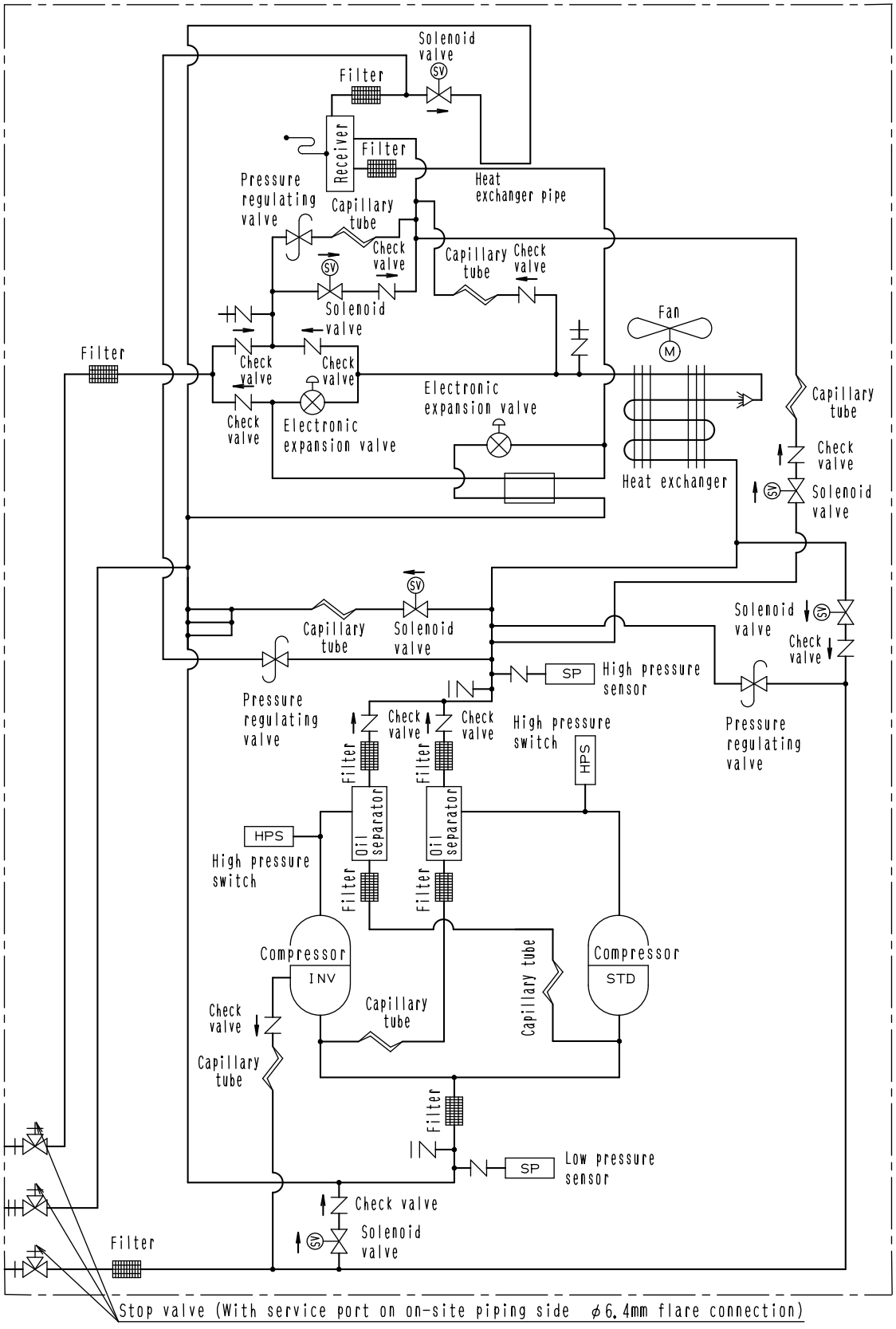
RX8M
RX10M
RX12M



4D041809

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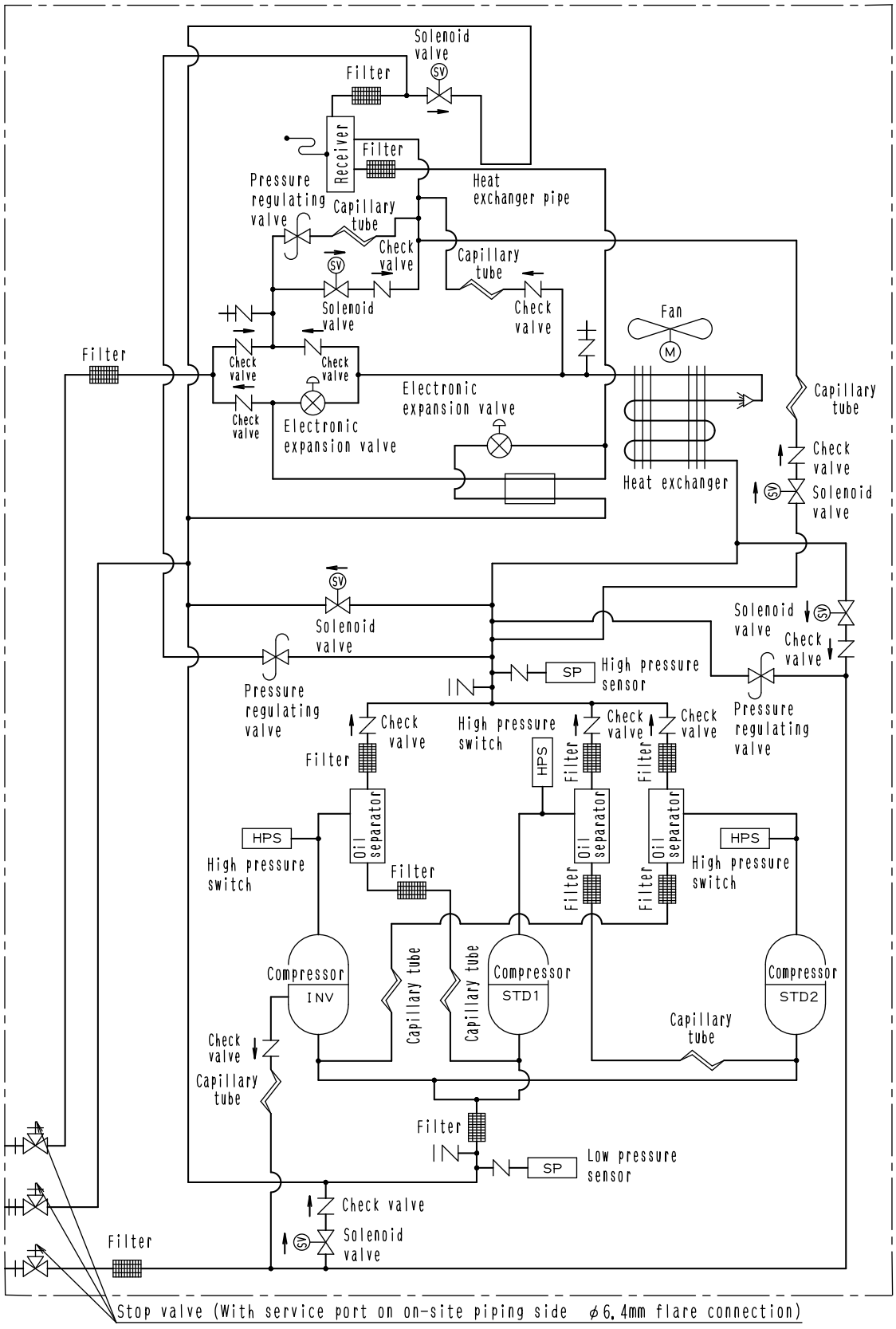
RX14M
RX16M



4D041810

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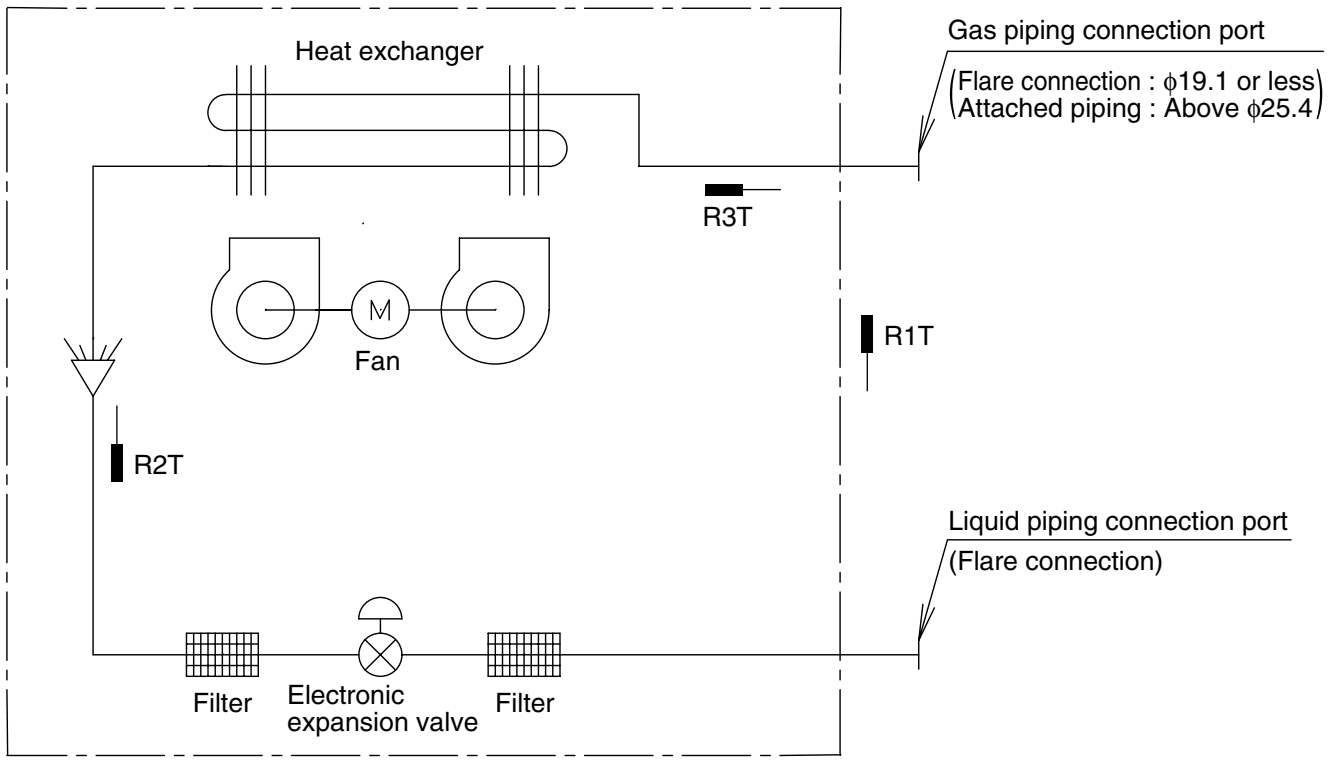
1.2 Indoor Unit

FXC, FXF, FXK, FXYD, FXS, FXYB, FXM, FXH, FXA, FXL, FXN



R1T : Thermistor for suction air temperature
R2T : Thermistor for liquid line temperature
R3T : Thermistor for gas line temperature

(mm)

Capacity	GAS	Liquid
20 / 25 / 32 / 40 L	ϕ12.7	ϕ6.4
50 / 63 / 80 L	ϕ15.9	ϕ9.5
100 / 125 L	ϕ19.1	ϕ9.5
200 L	ϕ25.4	ϕ12.7
250 L	ϕ28.6	ϕ12.7

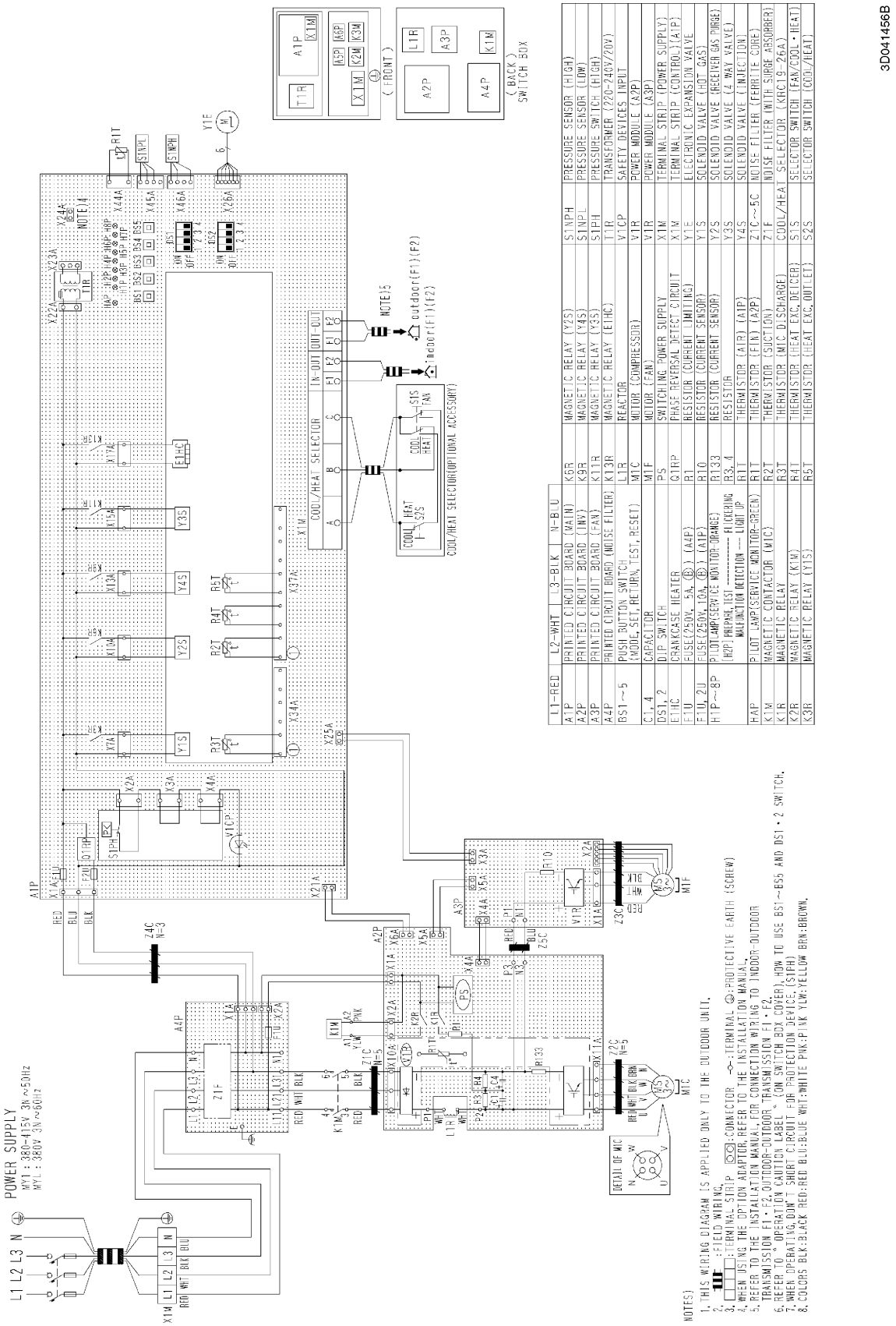
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2. Wiring Diagrams for Reference

2.1 Outdoor Unit

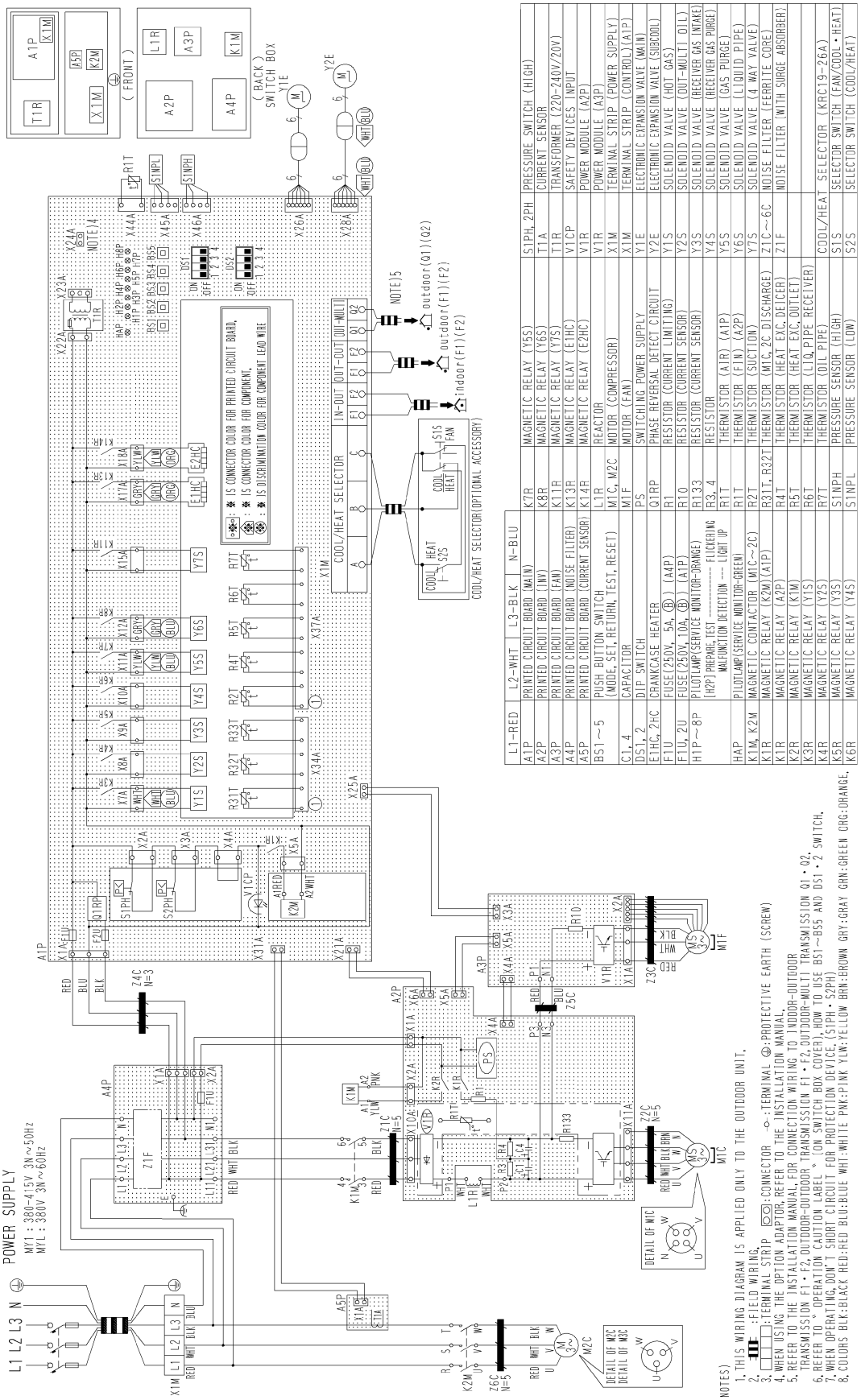
2.1.1 Heat Pump

RXY5MY1, RXY5MYL



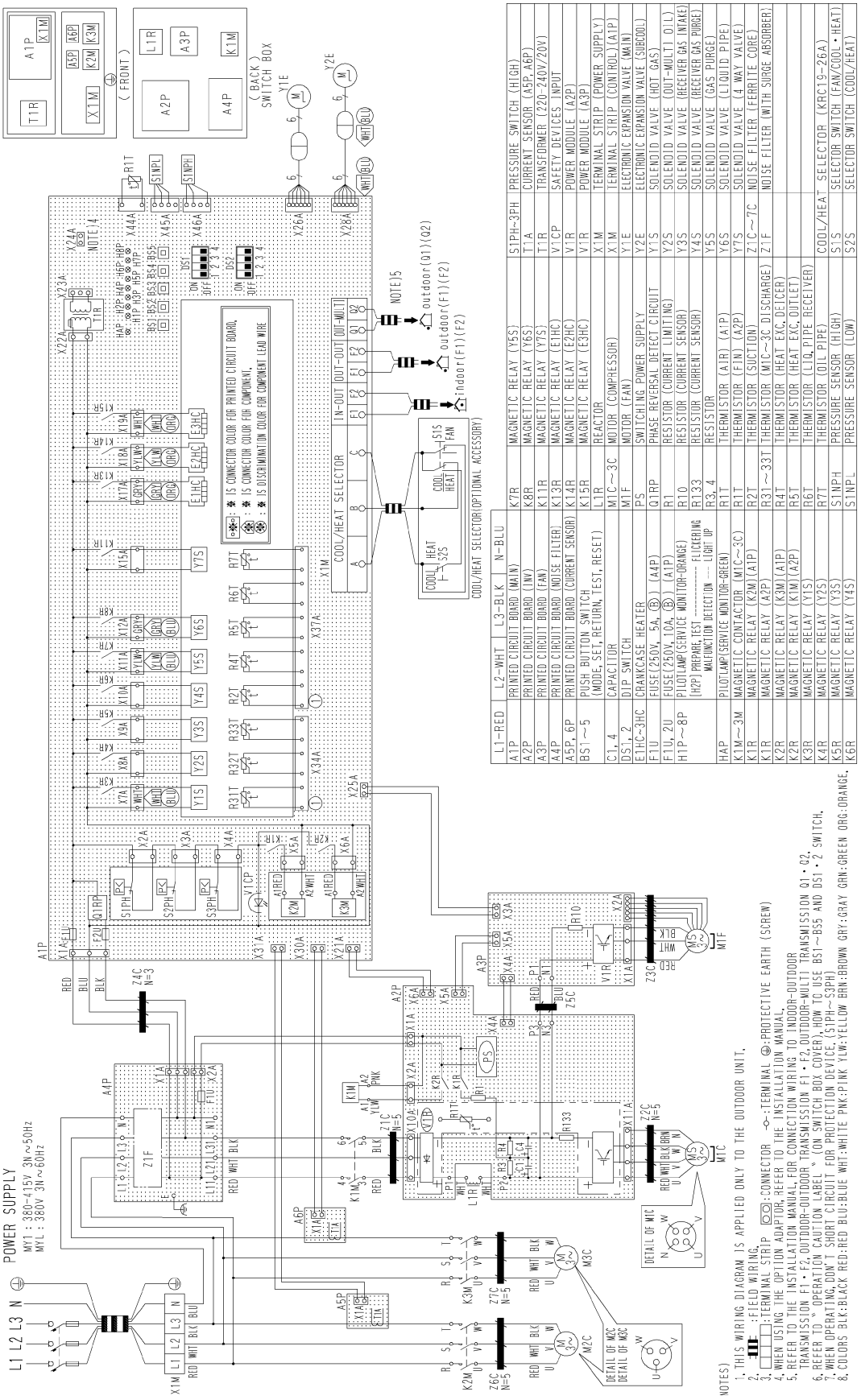
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY8MY1, RXY8MYL
RXY10MY1, RXY10MYL
RXY12MY1, RXY12MYL


3D041455B
POWER SUPPLY
MY1 : 380~415V 3N~50Hz
MY1 : 380V 3N~60Hz
L1 L2 L3 N
COOL/HEAT SELECTOR
IN-OUT
OUT-OUT
outdoor(Q1)(Q2)
outdoor(F1)(F2)
indoor(F1)(F2)
COOL/HEAT SELECTOR(OPTIONAL ACCESSORY)
DETAIL OF M1C
DETAIL OF M2C
NOTES)
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
2. : FIELD WIRING.
3. : TERMINAL STRIP
4. WHEN USING THE OPTION ADAPTOR, REFER TO THE INSTALLATION MANUAL.
5. REFER TO THE INSTALLATION MANUAL FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-MULTI TRANSMISSION Q1・Q2.
6. REFER TO "OPERATION CAUTION LABEL" (ON SWITCH BOX COVER), HOW TO USE BS1~BS5 AND DS1・2 SWITCH.
7. WHEN OPERATING, DON'T SHORT CIRCUIT FOR PROTECTION DEVICE, (S1PH・S2PH).
8. COLORS BLK:BLACK RED:RED BLU:BLUE WHT:WHITE PNK:PINK YLW:YELLOW BRN:BROWN GRY:GRAY GRN:GREEN ORG:ORANGE.

L1-RED	L2-WHT	L3-BLK	N-BLU			
A1P	PRINTED CIRCUIT BOARD (MAIN)			K7R	MAGNETIC RELAY (Y5S)	S1PH, 2PH	PRESSURE SWITCH (HIGH)
A2P	PRINTED CIRCUIT BOARD (INV)			K8R	MAGNETIC RELAY (Y6S)	T1A	CURRENT SENSOR
A3P	PRINTED CIRCUIT BOARD (FAN)			K11R	MAGNETIC RELAY (Y7S)	T1R	TRANSFORMER (220~240V/20V)
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)			K13R	MAGNETIC RELAY (E1HC)	V1CP	SAFETY DEVICES INPUT
A5P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)			K14R	MAGNETIC RELAY (E2HC)	V1R	POWER MODULE (A2P)
BS1~5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)			L1R	REACTOR	V1R	POWER MODULE (A3P)
C1, 4	CAPACITOR			M1C, M2C	MOTOR (COMPRESSOR)	X1M	TERMINAL STRIP (POWER SUPPLY)
DS1, 2	DIP SWITCH			M1F	MOTOR (FAN)	X1M	TERMINAL STRIP (CONTROL) (A1P)
E1HC, 2HC	CRANKCASE HEATER			PS	SWITCHING POWER SUPPLY	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
F1U	FUSE(250V, 5A, Ⓑ) (A4P)			Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y2E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
F1U, 2U	FUSE(250V, 10A, Ⓑ) (A1P)			R1	RESISTOR (CURRENT LIMITING)	Y1S	SOLENOID VALVE (HOT GAS)
H1P~8P	PILOT LAMP(SERVICE MONITOR-ORANGE) (H2P) PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION --- LIGHT UP			R1O	RESISTOR (CURRENT SENSOR)	Y2S	SOLENOID VALVE (OUT-MULTI OIL)
				R133	RESISTOR (CURRENT SENSOR)	Y3S	SOLENOID VALVE (RECEIVER GAS INTAKE)
				R3, 4	RESISTOR	Y4S	SOLENOID VALVE (RECEIVER GAS PURGE)
HAP	PILOT LAMP(SERVICE MONITOR-GREEN)			R1T	THERMISTOR (AIR) (A1P)	Y5S	SOLENOID VALVE (GAS PURGE)
K1M, K2M	MAGNETIC CONTACTOR (M1C~2C)			R1T	THERMISTOR (FIN) (A2P)	Y6S	SOLENOID VALVE (LIQUID PIPE)
K1R	MAGNETIC RELAY (K2M)(A1P)			R2T	THERMISTOR (SUCTION)	Y7S	SOLENOID VALVE (4 WAY VALVE)
K1R	MAGNETIC RELAY (A2P)			R31T, R32T	THERMISTOR (M1C, 2C DISCHARGE)	Z1C~6C	NOISE FILTER (FERRITE CORE)
K2R	MAGNETIC RELAY (K1M)			R4T	THERMISTOR (HEAT EXC. DEICER)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K3R	MAGNETIC RELAY (Y1S)			R5T	THERMISTOR (HEAT EXC. OUTLET)		
K4R	MAGNETIC RELAY (Y2S)			R6T	THERMISTOR (LIQ. PIPE RECEIVER)		
K5R	MAGNETIC RELAY (Y3S)			R7T	THERMISTOR (OIL PIPE)	COOL/HEAT	SELECTOR (KRC19-26A)
K6R	MAGNETIC RELAY (Y4S)			S1NPH	PRESSURE SENSOR (HIGH)	S1S	SELECTOR SWITCH (FAN/COOL・HEAT)
				S1NPL	PRESSURE SENSOR (LOW)	S2S	SELECTOR SWITCH (COOL/HEAT)

RXY14MY1, RXY14MYL
RXY16MY1, RXY16MYL



L1-RED	L2-WHT	L3-BLK	N-BLU		
A1P	PRINTED CIRCUIT BOARD (MAIN)		K7R	MAGNETIC RELAY (Y6S)	S1PH~3PH	PRESSURE SWITCH (HIGH)
A2P	PRINTED CIRCUIT BOARD (INV)		K8R	MAGNETIC RELAY (Y6S)	T1A	CURRENT SENSOR (A6P, A6P)
A3P	PRINTED CIRCUIT BOARD (FAN)		K11R	MAGNETIC RELAY (Y7S)	T1R	TRANSFORMER (220~240V/20V)
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)		K13R	MAGNETIC RELAY (E1HC)	V1CP	SAFETY DEVICES INPUT
A5P, 6P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)		K14R	MAGNETIC RELAY (E2HC)	V1R	POWER MODULE (A2P)
BS1~5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)		K15R	MAGNETIC RELAY (E3HC)	V1R	POWER MODULE (A3P)
C1, 4	CAPACITOR		L1R	REACTOR	X1M	TERMINAL STRIP (POWER SUPPLY)
DS1, 2	DIP SWITCH		M1F	MOTOR (FAN)	X1M	TERMINAL STRIP (CONTROL)(A1P)
E1HC~3HC	CRANKCASE HEATER		P.S	SWITCHING POWER SUPPLY	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
F1U	FUSE(250V, 5A, Ⓑ) (A4P)		Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y2E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
F1U, 2U	FUSE(250V, 10A, Ⓑ) (A1P)		R1	RESISTOR (CURRENT LIMITING)	Y2S	SOLENOID VALVE (HOT GAS)
H1P~8P	PILOT LAMP(SERVICE MONITOR-ORANGE) [H2P] PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION ---- LIGHT UP		R10	RESISTOR (CURRENT SENSOR)	Y3S	SOLENOID VALVE (RECEIVER GAS INTAKE)
			R133	RESISTOR (CURRENT SENSOR)	Y4S	SOLENOID VALVE (RECEIVER GAS PURGE)
HAP	PILOT LAMP(SERVICE MONITOR-GREEN)		R3, 4	RESISTOR	Y5S	SOLENOID VALVE (GAS PURGE)
K1M~3M	MAGNETIC CONTACTOR (M1C~3C)		R1T	THERMISTOR (AIR) (A1P)	Y6S	SOLENOID VALVE (LIQUID PIPE)
K1R	MAGNETIC RELAY (K2M)(A1P)		R1T	THERMISTOR (FIN) (A2P)	Y7S	SOLENOID VALVE (4 WAY VALVE)
K1R	MAGNETIC RELAY (A2P)		R2T	THERMISTOR (SUCTION)	Z1C~7C	NOISE FILTER (FERRITE CORE)
K2R	MAGNETIC RELAY (K3M)(A1P)		R31~33T	THERMISTOR (M1C~3C DISCHARGE)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K2R	MAGNETIC RELAY (K1M)(A2P)		R4T	THERMISTOR (HEAT EXC. DETCER)		
K3R	MAGNETIC RELAY (Y1S)		R5T	THERMISTOR (HEAT EXC. OUTLET)		
K4R	MAGNETIC RELAY (Y2S)		R6T	THERMISTOR (LIQ. PIPE RECEIVER)		
K5R	MAGNETIC RELAY (Y3S)		R7T	THERMISTOR (OIL PIPE)	COOL/HEAT SELECTOR (KRC19~26A)	
K6R	MAGNETIC RELAY (Y4S)		S1NPH	PRESSURE SENSOR (HIGH)	S1S	SELECTOR SWITCH (FAN/COOL・HEAT)
			S1NPL	PRESSURE SENSOR (LOW)	S2S	SELECTOR SWITCH (COOL/HEAT)

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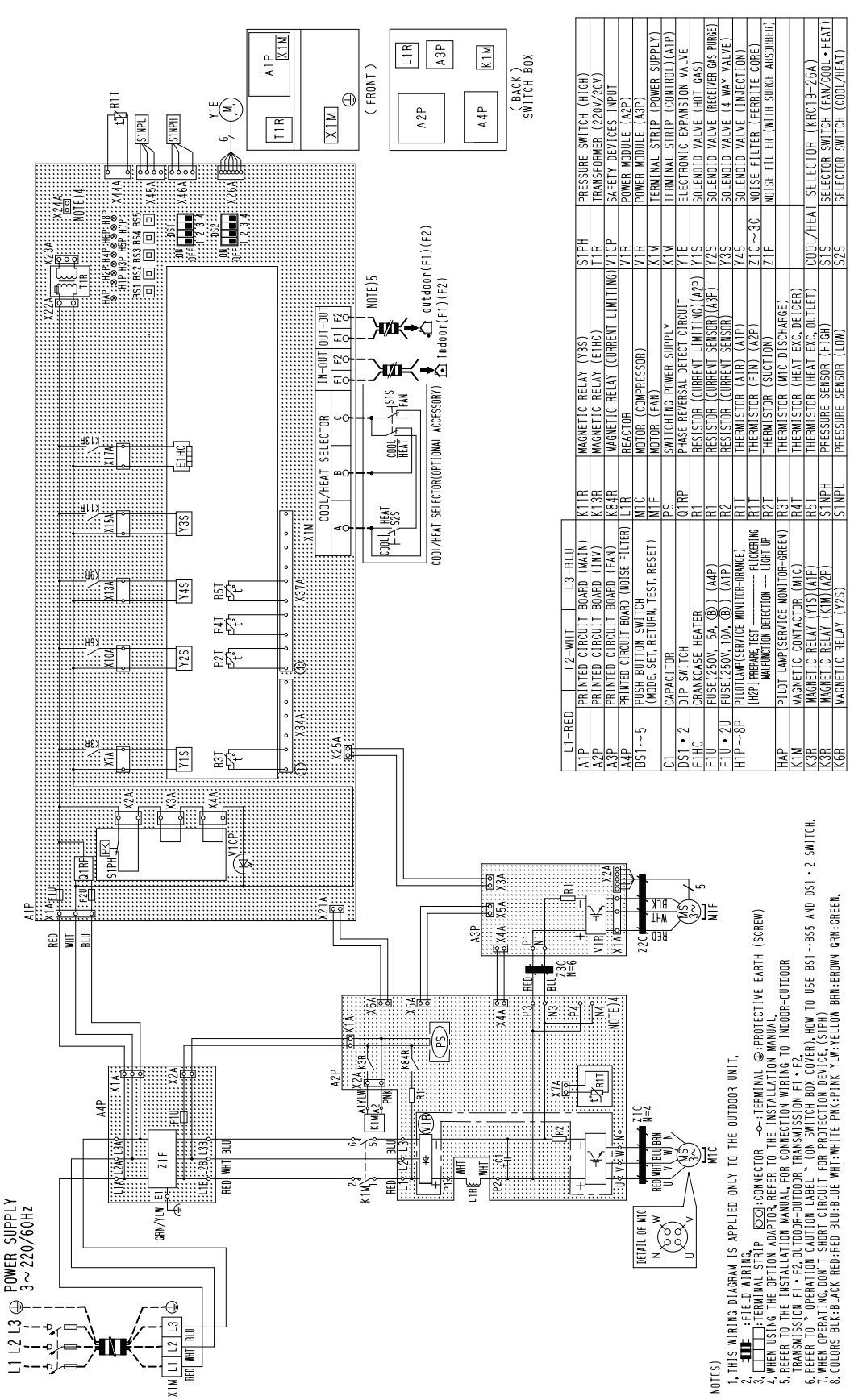
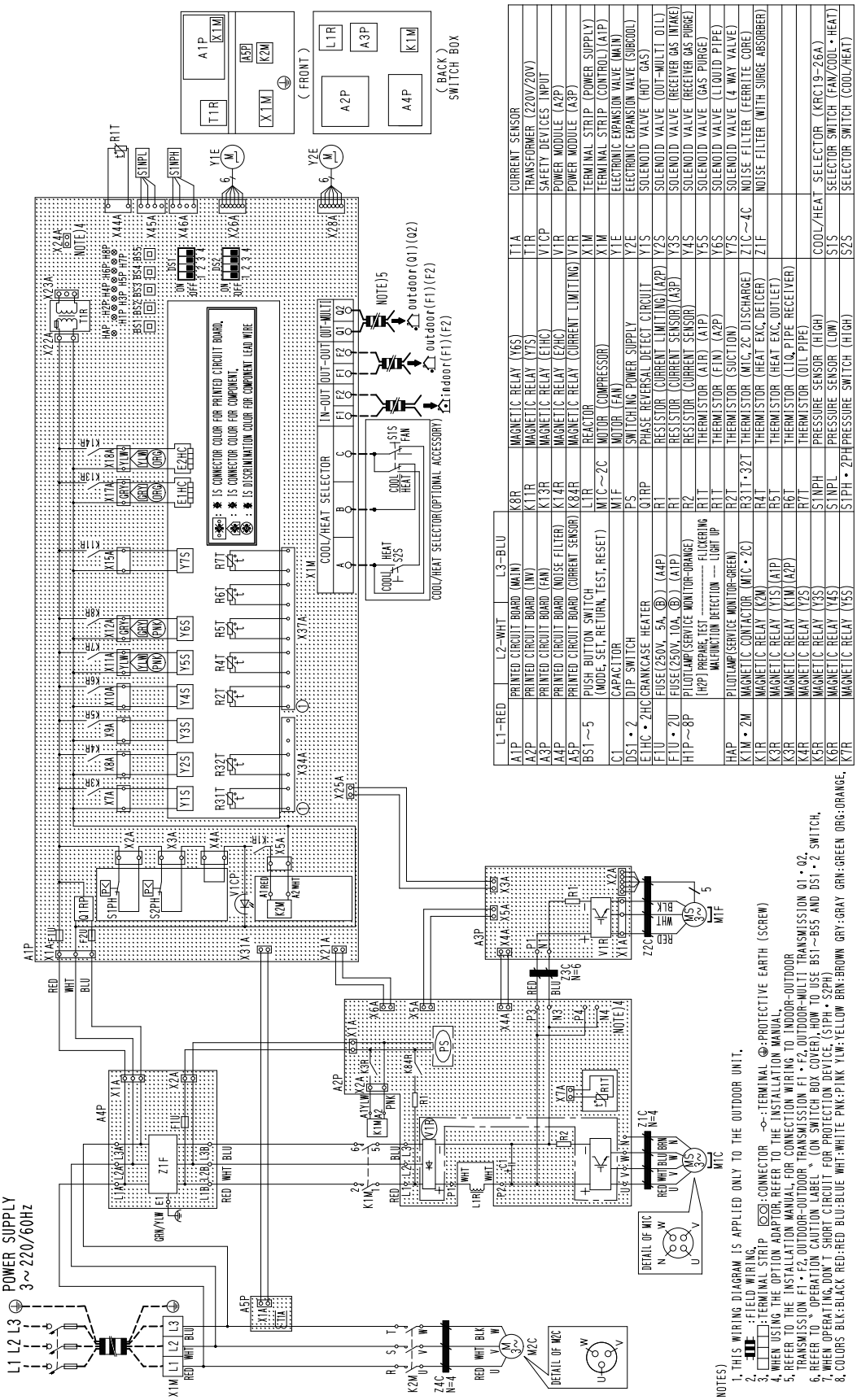
RXY5MTL


3D041828
POWER SUPPLY 3~220/60Hz
L1 L2 L3
A1P
A2P
A3P
A4P
(FRONT)
(BACK) SWITCH BOX
COOL/HEAT SELECTOR(OPTIONAL ACCESSORY)
outdoor(F1)(F2)
indoor(F1)(F2)
DETAIL OF M1C
NOTES)
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
2. : FIELD WIRING.
3. : TERMINAL STRIP : CONNECTOR : TERMINAL : PROTECTIVE EARTH (SCREW)
4. WHEN USING THE OPTION ADAPTOR, REFER TO THE INSTALLATION MANUAL.
5. REFER TO THE INSTALLATION MANUAL FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-OUTDOOR TRANSMISSION F1・F2.
6. REFER TO " OPERATION CAUTION LABEL " ON SWITCH BOX COVER). HOW TO USE BS1～BS5 AND DS1・2 SWITCH.
7. WHEN OPERATING, DON'T SHORT CIRCUIT FOR PROTECTION DEVICE.(S1PH)
8. COLORS BLK:BLACK RED:RED BLU:BLUE WHT:WHITE PNK:PINK YLW:YELLOW BRN:BROWN GRN:GREEN.

L1-RED	L2-WHT	L3-BLU			
A1P	PRINTED CIRCUIT BOARD (MAIN)		K11R	MAGNETIC RELAY (Y3S)	S1PH	PRESSURE SWITCH (HIGH)
A2P	PRINTED CIRCUIT BOARD (INV)		K13R	MAGNETIC RELAY (E1HC)	T1R	TRANSFORMER (220V/20V)
A3P	PRINTED CIRCUIT BOARD (FAN)		K84R	MAGNETIC RELAY (CURRENT LIMITING)	V1CP	SAFETY DEVICES INPUT
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)		L1R	REACTOR	V1R	POWER MODULE (A2P)
BS1～5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)		M1C	MOTOR (COMPRESSOR)	V1R	POWER MODULE (A3P)
			M1F	MOTOR (FAN)	X1M	TERMINAL STRIP (POWER SUPPLY)
C1	CAPACITOR		PS	SWITCHING POWER SUPPLY	X1M	TERMINAL STRIP (CONTROL)(A1P)
DS1・2	DIP SWITCH		Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y1E	ELECTRONIC EXPANSION VALVE
E1HC	CRANKCASE HEATER		R1	RESISTOR (CURRENT LIMITING)(A2P)	Y1S	SOLENOID VALVE (HOT GAS)
F1U	FUSE(250V, 5A, Ⓑ) (A4P)		R1	RESISTOR (CURRENT SENSOR)(A3P)	Y2S	SOLENOID VALVE (RECEIVER GAS PURGE)
F1U・2U	FUSE(250V, 10A, Ⓑ) (A1P)		R2	RESISTOR (CURRENT SENSOR)	Y3S	SOLENOID VALVE (4 WAY VALVE)
H1P～8P	PILOT LAMP(SERVICE MONITOR-ORANGE) [H2P] PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION --- LIGHT UP		R1T	THERMISTOR (AIR) (A1P)	Y4S	SOLENOID VALVE (INJECTION)
			R1T	THERMISTOR (FIN) (A2P)	Z1C～3C	NOISE FILTER (FERRITE CORE)
			R2T	THERMISTOR (SUCTION)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
HAP	PILOT LAMP(SERVICE MONITOR-GREEN)		R3T	THERMISTOR (M1C DISCHARGE)		
K1M	MAGNETIC CONTACTOR (M1C)		R4T	THERMISTOR (HEAT EXC.DEICER)		
K3R	MAGNETIC RELAY (Y1S)(A1P)		R5T	THERMISTOR (HEAT EXC.OUTLET)	COOL/HEAT SELECTOR (KRC19-26A)	
K3R	MAGNETIC RELAY (K1M)(A2P)		S1NPH	PRESSURE SENSOR (HIGH)	S1S	SELECTOR SWITCH (FAN/COOL・HEAT)
K6R	MAGNETIC RELAY (Y2S)		S1NPL	PRESSURE SENSOR (LOW)	S2S	SELECTOR SWITCH (COOL/HEAT)

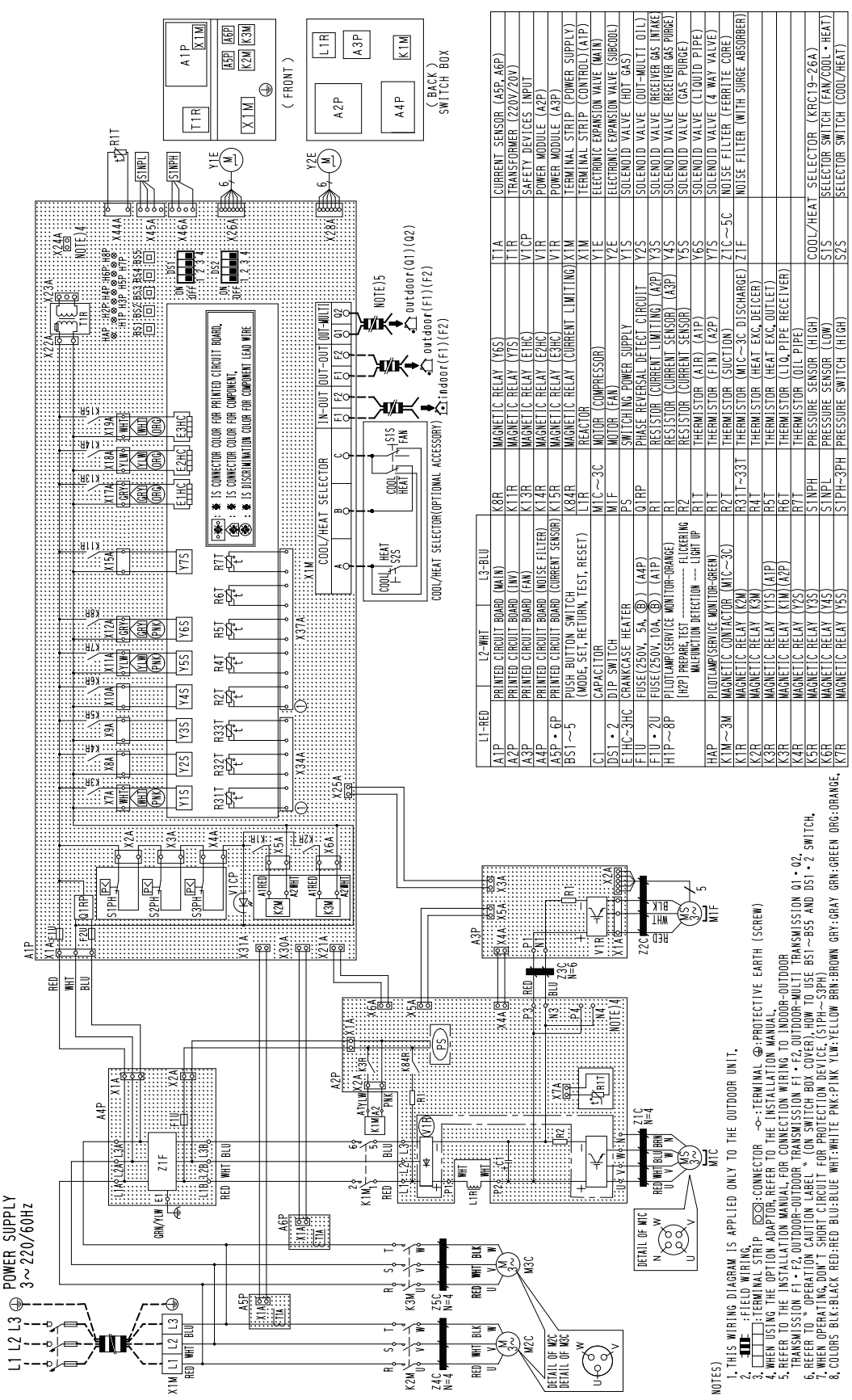
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY8MTL
RXY10MTL
RXY12MTL



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RXY14MTL
RXY16MTL

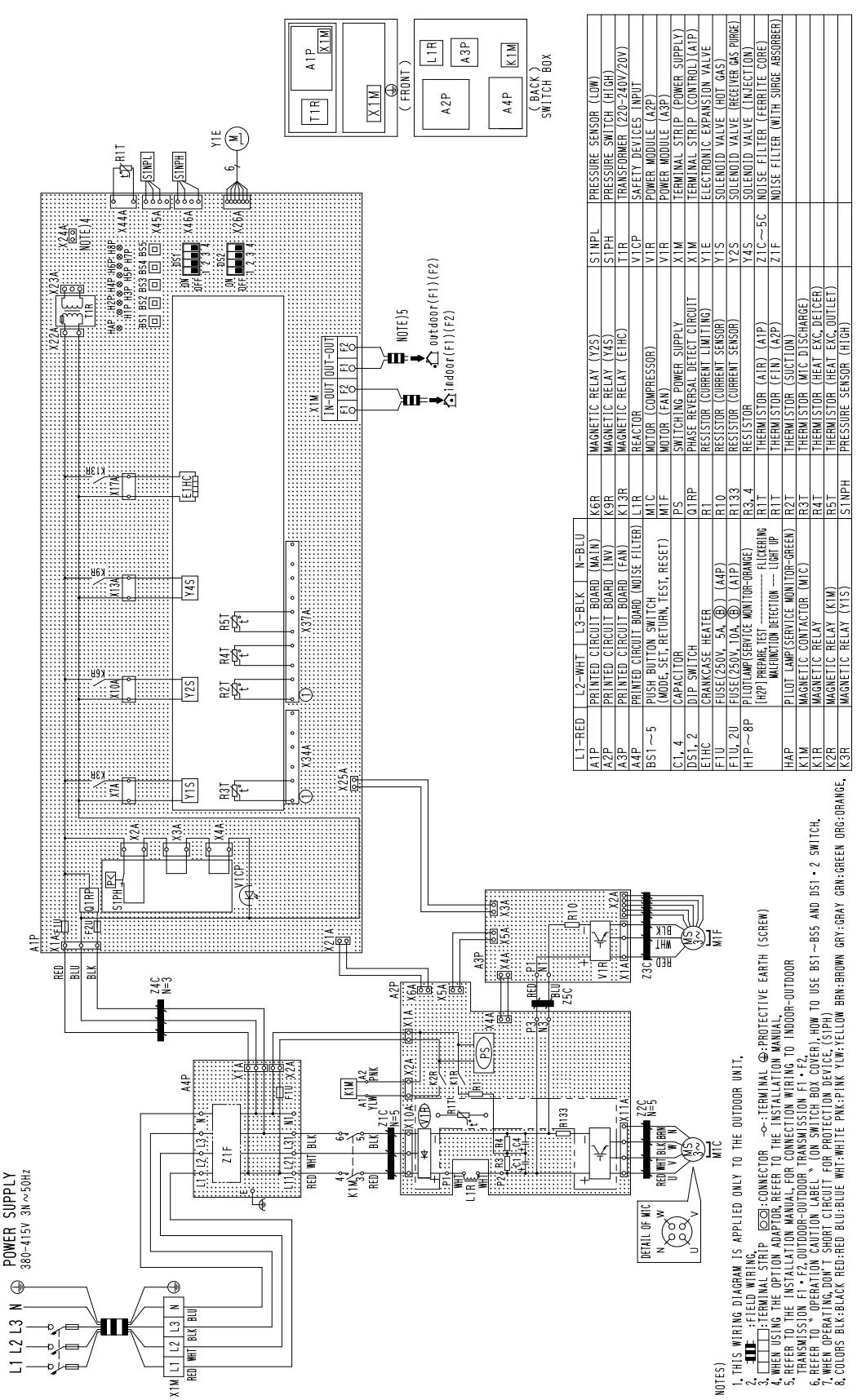


L1-RED	L2-WHT	L3-BLU			
A1P	PRINTED CIRCUIT BOARD (MAIN)		K8R	MAGNETIC RELAY (Y6S)	T1A	CURRENT SENSOR (A5P, A6P)
A2P	PRINTED CIRCUIT BOARD (INV)		K11R	MAGNETIC RELAY (Y7S)	T1R	TRANSFORMER (220V/20V)
A3P	PRINTED CIRCUIT BOARD (FAN)		K13R	MAGNETIC RELAY (E1HC)	V1CP	SAFETY DEVICES INPUT
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)		K14R	MAGNETIC RELAY (E2HC)	V1R	POWER MODULE (A2P)
A5P・6P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)		K15R	MAGNETIC RELAY (E3HC)	V1R	POWER MODULE (A3P)
BS1~5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)		K84R	MAGNETIC RELAY (CURRENT LIMITING)	X1M	TERMINAL STRIP (POWER SUPPLY)
			L1R	REACTOR	X1M	TERMINAL STRIP (CONTROL)(A1P)
C1	CAPACITOR		M1C~3C	MOTOR (COMPRESSOR)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
DS1・2	DIP SWITCH		M1F	MOTOR (FAN)	Y2E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
E1HC~3HC	CRANKCASE HEATER		PS	SWITCHING POWER SUPPLY	Y1S	SOLENOID VALVE (HOT GAS)
F1U	FUSE(250V, 5A, Ⓑ) (A4P)		Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y2S	SOLENOID VALVE (OUT-MULTI OIL)
F1U・2U	FUSE(250V, 10A, Ⓑ) (A1P)		R1	RESISTOR (CURRENT LIMITING) (A2P)	Y3S	SOLENOID VALVE (RECEIVER GAS INTAKE)
H1P~8P	PILOTLAMP(SERVICE MONITOR-ORANGE) (H2P) PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION ---- LIGHT UP		R1	RESISTOR (CURRENT SENSOR) (A3P)	Y4S	SOLENOID VALVE (RECEIVER GAS PURGE)
			R2	RESISTOR (CURRENT SENSOR)	Y5S	SOLENOID VALVE (GAS PURGE)
H4P	PILOTLAMP(SERVICE MONITOR-GREEN)		R1T	THERMISTOR (AIR) (A1P)	Y6S	SOLENOID VALVE (LIQUID PIPE)
K1M~3M	MAGNETIC CONTACTOR (M1C~3C)		R1T	THERMISTOR (F1N) (A2P)	Y7S	SOLENOID VALVE (4 WAY VALVE)
K1R	MAGNETIC RELAY (K2M)		R2T	THERMISTOR (SUCTION)	Z1C~5C	NOISE FILTER (FERRITE CORE)
K2R	MAGNETIC RELAY (K3M)		R31T~33T	THERMISTOR (M1C~3C DISCHARGE)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K3R	MAGNETIC RELAY (Y1S) (A1P)		R4T	THERMISTOR (HEAT EXC. DEICER)		
K3R	MAGNETIC RELAY (K1M) (A2P)		R5T	THERMISTOR (HEAT EXC. OUTLET)		
K4R	MAGNETIC RELAY (Y2S)		R6T	THERMISTOR (LIQ. PIPE RECEIVER)		
K5R	MAGNETIC RELAY (Y3S)		R7T	THERMISTOR (OIL PIPE)		
K6R	MAGNETIC RELAY (Y4S)		S1NPH	PRESSURE SENSOR (HIGH)	COOL/HEAT SELECTOR (KRC19-26A)	
K6R	MAGNETIC RELAY (Y5S)		S1NPL	PRESSURE SENSOR (LOW)	S1S	SELECTOR SWITCH (FAN/COOL・HEAT)
K7R	MAGNETIC RELAY (Y6S)		S1PH~3PH	PRESSURE SWITCH (HIGH)	S2S	SELECTOR SWITCH (COOL/HEAT)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

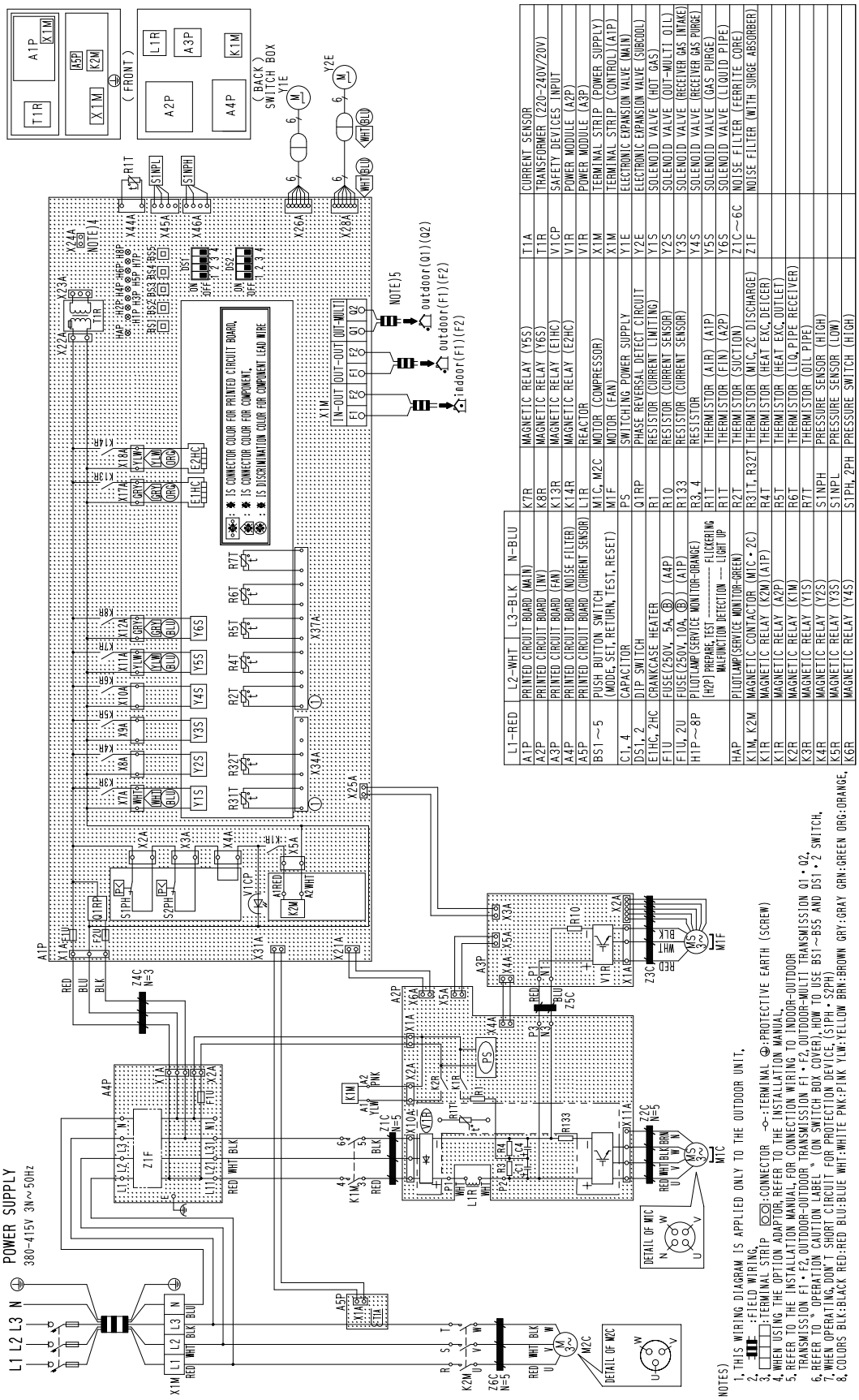
2.1.2 Cooling Only

RX5MY1



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

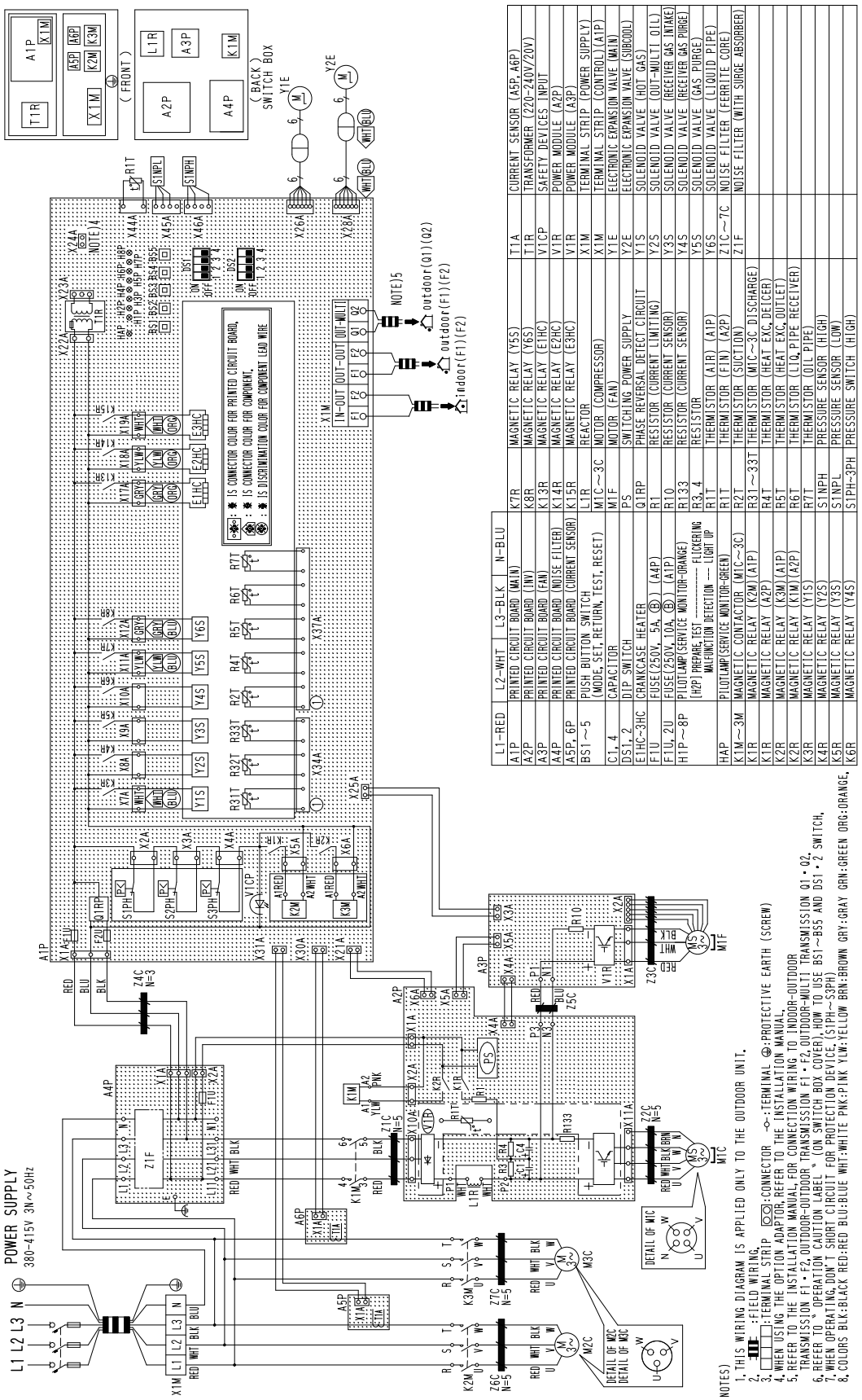
RX8MY1
RX10MY1
RX12MY1


POWER SUPPLY
380-415V 3N~50Hz
L1 L2 L3 N
A1P
A2P
A3P
A4P
A5P
M1C
M2C
M1F
M1T
Z1F
Z1C
Z2C
Z3C
Z4C
Z5C
Z6C
NOTE)
1. THIS WIRING DIAGRAM IS APPLIED ONLY TO THE OUTDOOR UNIT.
2. : FIELD WIRING.
3. : TERMINAL STRIP : CONNECTOR : TERMINAL : PROTECTIVE EARTH (SCREW)
4. WHEN USING THE OPTION ADAPTOR, REFER TO THE INSTALLATION MANUAL.
5. REFER TO THE INSTALLATION MANUAL FOR CONNECTION WIRING TO INDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-OUTDOOR TRANSMISSION F1・F2, OUTDOOR-MULTI TRANSMISSION Q1・Q2.
6. REFER TO " OPERATION CAUTION LABEL " (ON SWITCH BOX COVER) HOW TO USE BS1~BS5 AND DS1・2 SWITCH.
7. WHEN OPERATING, DON'T SHORT CIRCUIT FOR PROTECTION DEVICE, (S1PH・S2PH)
8. COLORS BLK:BLACK RED:RED BLU:BLUE WHT:WHITE PNK:PINK YLW:YELLOW BRN:BROWN GRY:GRAY GRN:GREEN ORG:ORANGE.
3D041806

L1-RED	L2-WHT	L3-BLK	N-BLU			
A1P	PRINTED CIRCUIT BOARD (MAIN)			K7R	MAGNETIC RELAY (Y5S)	T1A	CURRENT SENSOR
A2P	PRINTED CIRCUIT BOARD (INV)			K8R	MAGNETIC RELAY (Y6S)	T1R	TRANSFORMER (220-240V/20V)
A3P	PRINTED CIRCUIT BOARD (FAN)			K13R	MAGNETIC RELAY (E1HC)	V1CP	SAFETY DEVICES INPUT
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)			K14R	MAGNETIC RELAY (E2HC)	V1R	POWER MODULE (A2P)
A5P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)			L1R	REACTOR	V1R	POWER MODULE (A3P)
BS1~5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)			M1C, M2C	MOTOR (COMPRESSOR)	X1M	TERMINAL STRIP (POWER SUPPLY)
				M1F	MOTOR (FAN)	X1M	TERMINAL STRIP (CONTROL)(A1P)
C1, 4	CAPACITOR			PS	SWITCHING POWER SUPPLY	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
DS1, 2	DIP SWITCH			Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y2E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
E1HC, 2HC	CRANKCASE HEATER			R1	RESISTOR (CURRENT LIMITING)	Y1S	SOLENOID VALVE (HOT GAS)
F1U	FUSE(250V, 5A, Ⓑ) (A4P)			R1O	RESISTOR (CURRENT SENSOR)	Y2S	SOLENOID VALVE (OUT-MULTI OIL)
F1U, 2U	FUSE(250V, 10A, Ⓑ) (A1P)			R133	RESISTOR (CURRENT SENSOR)	Y3S	SOLENOID VALVE (RECEIVER GAS INTAKE)
H1P~8P	PILOT LAMP(SERVICE MONITOR-ORANGE) (H2P) PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION ---- LIGHT UP			R3, 4	RESISTOR	Y4S	SOLENOID VALVE (RECEIVER GAS PURGE)
				R1T	THERMISTOR (AIR) (A1P)	Y5S	SOLENOID VALVE (GAS PURGE)
				R1T	THERMISTOR (FIN) (A2P)	Y6S	SOLENOID VALVE (LIQUID PIPE)
HAP	PILOT LAMP(SERVICE MONITOR-GREEN)			R2T	THERMISTOR (SUCTION)	Z1C~6C	NOISE FILTER (FERRITE CORE)
K1M, K2M	MAGNETIC CONTACTOR (M1C・2C)			R31T, R32T	THERMISTOR (M1C, 2C DISCHARGE)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K1R	MAGNETIC RELAY (K2M) (A1P)			R4T	THERMISTOR (HEAT EXC. DEICER)		
K1R	MAGNETIC RELAY (A2P)			R5T	THERMISTOR (HEAT EXC. OUTLET)		
K2R	MAGNETIC RELAY (K1M)			R6T	THERMISTOR (LIQ. PIPE RECEIVER)		
K3R	MAGNETIC RELAY (Y1S)			R7T	THERMISTOR (OIL PIPE)		
K4R	MAGNETIC RELAY (Y2S)			S1NPH	PRESSURE SENSOR (HIGH)		
K5R	MAGNETIC RELAY (Y3S)			S1NPL	PRESSURE SENSOR (LOW)		
K6R	MAGNETIC RELAY (Y4S)			S1PH, 2PH	PRESSURE SWITCH (HIGH)		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

RX14MY1
RX16MY1



L1-RED	L2-WHT	L3-BLK	N-BLU			
A1P	PRINTED CIRCUIT BOARD (MAIN)			K7R	MAGNETIC RELAY (Y5S)	T1A	CURRENT SENSOR (A5P, A6P)
A2P	PRINTED CIRCUIT BOARD (INV)			K8R	MAGNETIC RELAY (Y6S)	T1R	TRANSFORMER (220~240V/20V)
A3P	PRINTED CIRCUIT BOARD (FAN)			K13R	MAGNETIC RELAY (E1HC)	V1CP	SAFETY DEVICES INPUT
A4P	PRINTED CIRCUIT BOARD (NOISE FILTER)			K14R	MAGNETIC RELAY (E2HC)	V1R	POWER MODULE (A2P)
A5P, 6P	PRINTED CIRCUIT BOARD (CURRENT SENSOR)			K15R	MAGNETIC RELAY (E3HC)	V1R	POWER MODULE (A3P)
BS1~5	PUSH BUTTON SWITCH (MODE, SET, RETURN, TEST, RESET)			L1R	REACTOR	X1M	TERMINAL STRIP (POWER SUPPLY)
				M1C~3C	MOTOR (COMPRESSOR)	X1M	TERMINAL STRIP (CONTROL) (A1P)
C1, 4	CAPACITOR			M1F	MOTOR (FAN)	Y1E	ELECTRONIC EXPANSION VALVE (MAIN)
DS1, 2	DIP SWITCH			PS	SWITCHING POWER SUPPLY	Y2E	ELECTRONIC EXPANSION VALVE (SUBCOOL)
E1HC~3HC	CRANKCASE HEATER			Q1RP	PHASE REVERSAL DETECT CIRCUIT	Y1S	SOLENOID VALVE (HOT GAS)
F1U	FUSE (250V, 5A Ⓑ) (A4P)			R1	RESISTOR (CURRENT LIMITING)	Y2S	SOLENOID VALVE (OUT-MULTI OIL)
F1U, 2U	FUSE (250V, 10A Ⓑ) (A1P)			R10	RESISTOR (CURRENT SENSOR)	Y3S	SOLENOID VALVE (RECEIVER GAS INTAKE)
H1P~8P	PILOT LAMP (SERVICE MONITOR-ORANGE) [H2P] PREPARE TEST ---------- FLICKERING MALFUNCTION DETECTION ---- LIGHT UP			R133	RESISTOR (CURRENT SENSOR)	Y4S	SOLENOID VALVE (RECEIVER GAS PURGE)
				R3, 4	RESISTOR	Y5S	SOLENOID VALVE (GAS PURGE)
				R1T	THERMISTOR (A1P)	Y6S	SOLENOID VALVE (LIQUID PIPE)
HAP	PILOT LAMP (SERVICE MONITOR-GREEN)			R1T	THERMISTOR (FIN) (A2P)	Z1C~7C	NOISE FILTER (FERRITE CORE)
K1M~3M	MAGNETIC CONTACTOR (M1C~3C)			R2T	THERMISTOR (SUCTION)	Z1F	NOISE FILTER (WITH SURGE ABSORBER)
K1R	MAGNETIC RELAY (K2M) (A1P)			R31~33T	THERMISTOR (M1C~3C DISCHARGE)		
K1R	MAGNETIC RELAY (A2P)			R4T	THERMISTOR (HEAT EXC. DEICER)		
K2R	MAGNETIC RELAY (K3M) (A1P)			R5T	THERMISTOR (HEAT EXC. OUTLET)		
K2R	MAGNETIC RELAY (K1M) (A2P)			R6T	THERMISTOR (LIQ. PIPE RECEIVER)		
K3R	MAGNETIC RELAY (Y1S)			R7T	THERMISTOR (OIL PIPE)		
K4R	MAGNETIC RELAY (Y2S)			S1NPH	PRESSURE SENSOR (HIGH)		
K5R	MAGNETIC RELAY (Y3S)			S1NPL	PRESSURE SENSOR (LOW)		
K6R	MAGNETIC RELAY (Y4S)			S1PH~3PH	PRESSURE SWITCH (HIGH)		

3D041807

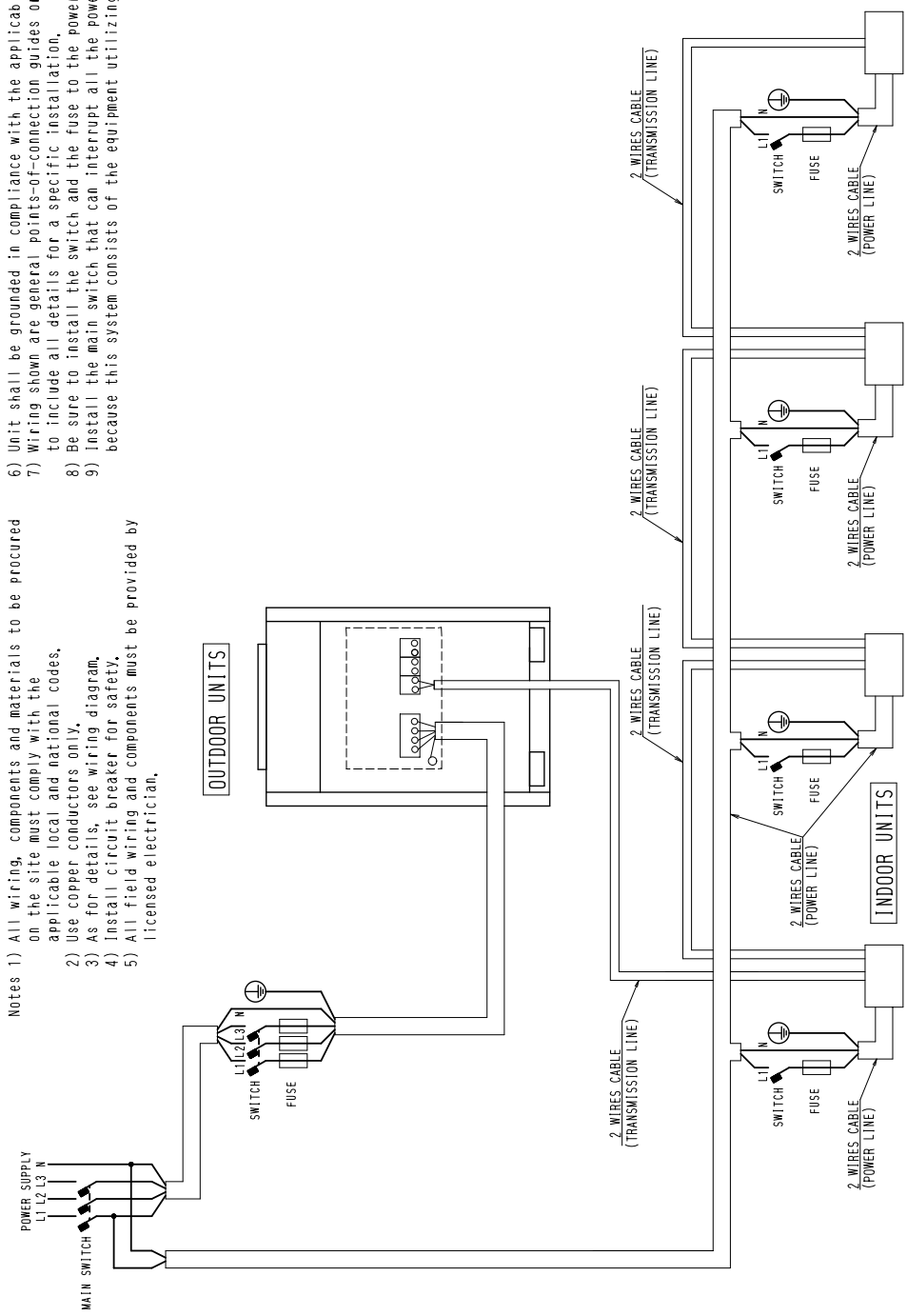
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

2.2 Field Wiring

2.2.1 50Hz / 60Hz

RX(Y)5, 8, 10, 12, 14, 16MY1
RX(Y)5, 8, 10, 12, 14, 16MYL

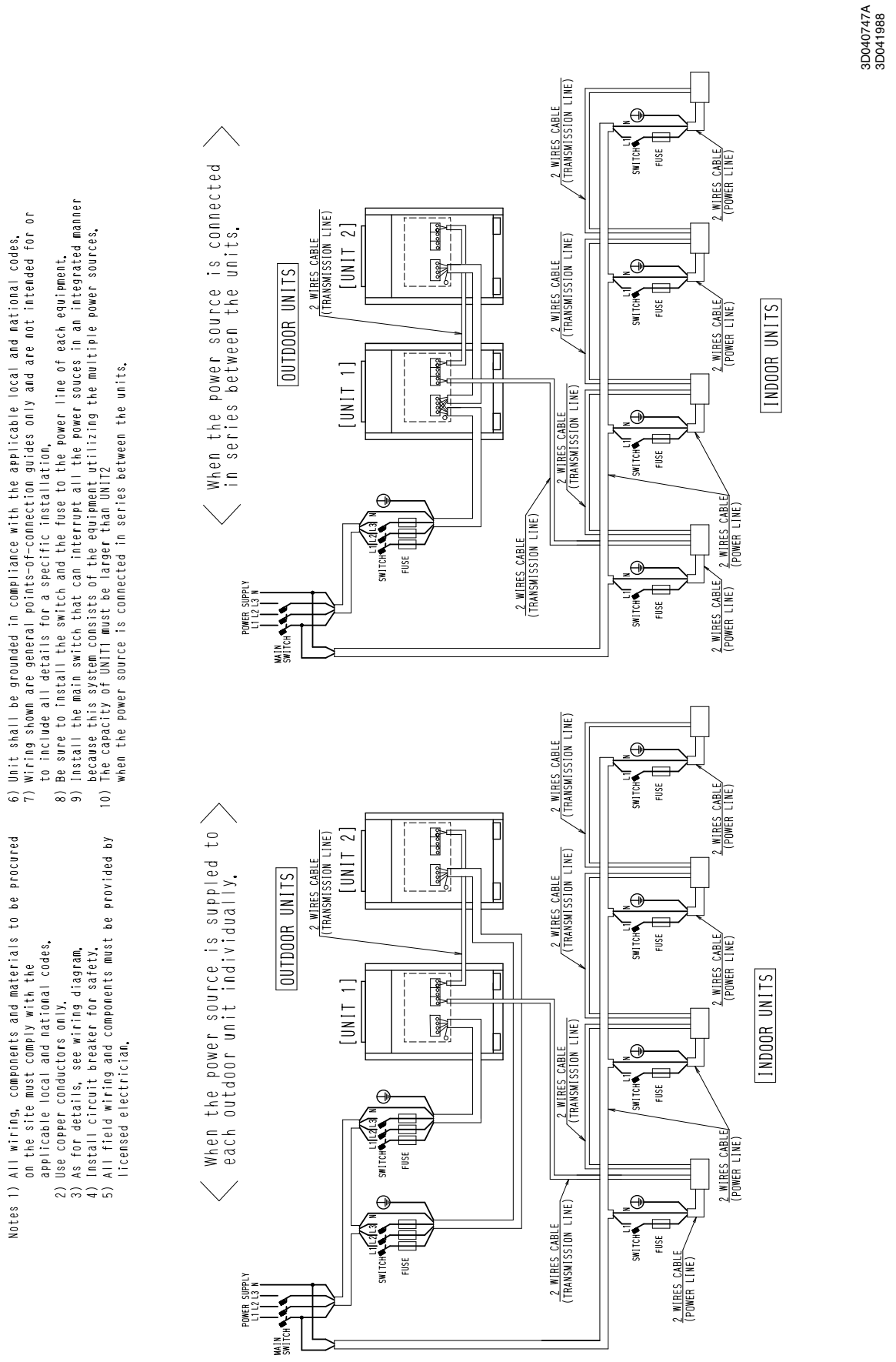
3D040746A
3D041987



Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

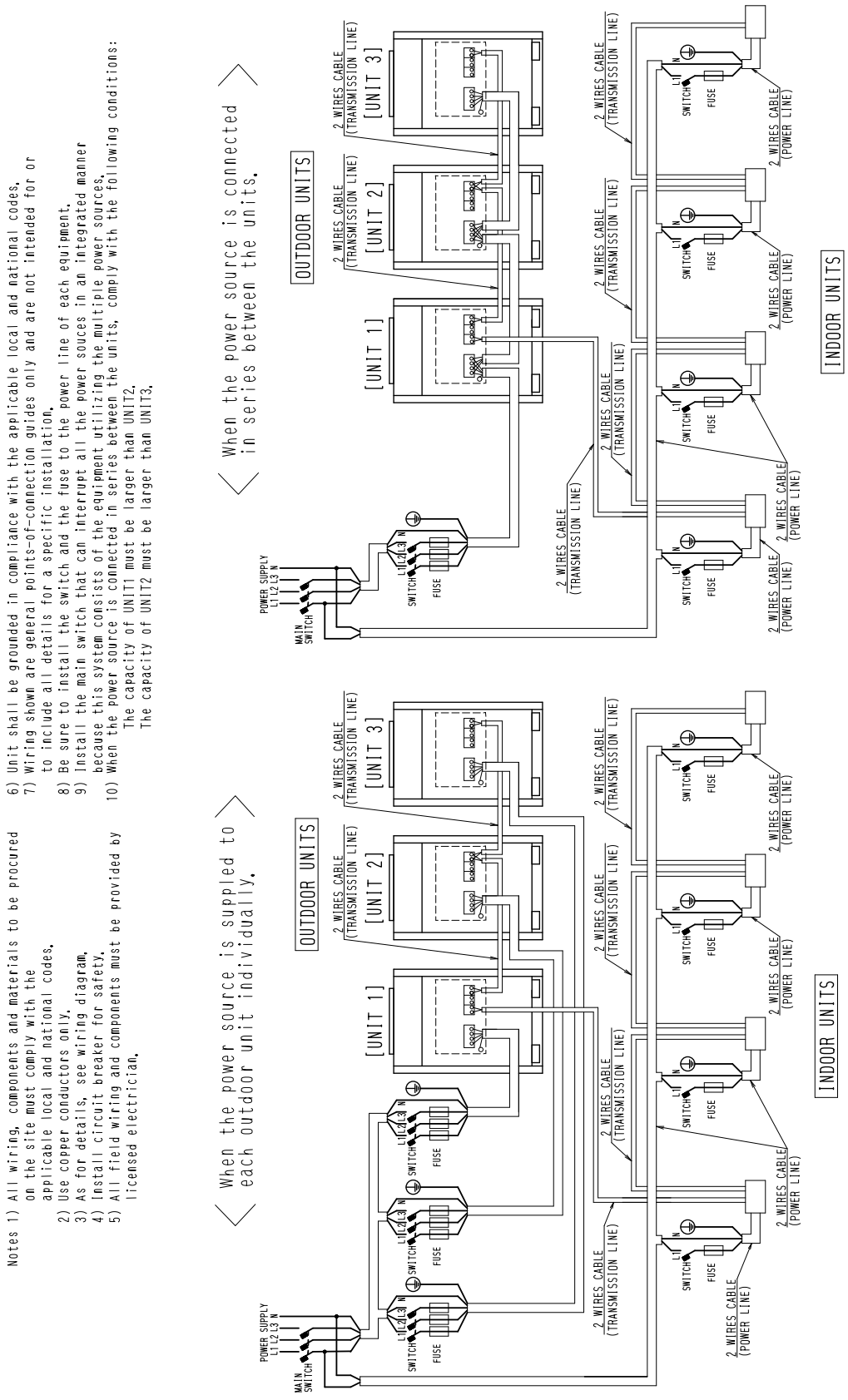
RX(Y)18, 20, 22, 24, 26, 28, 32MY1
RX(Y)18, 20, 22, 24, 26, 28, 32MYL


3D040747A
3D041988
When the power source is supplied to each outdoor unit individually.
When the power source is connected in series between the units.
OUTDOOR UNITS
[UNIT 1]
[UNIT 2]
2 WIRES CABLE (TRANSMISSION LINE)
POWER SUPPLY L1 L2 L3 N
MAIN SWITCH
SWITCH
FUSE
INDOOR UNITS
2 WIRES CABLE (POWER LINE)
Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.

RX(Y)34, 36, 38, 40, 42, 44, 46, 48MY1
RX(Y)34, 36, 38, 40, 42, 44, 46, 48MYL

3D040748A
3D041989

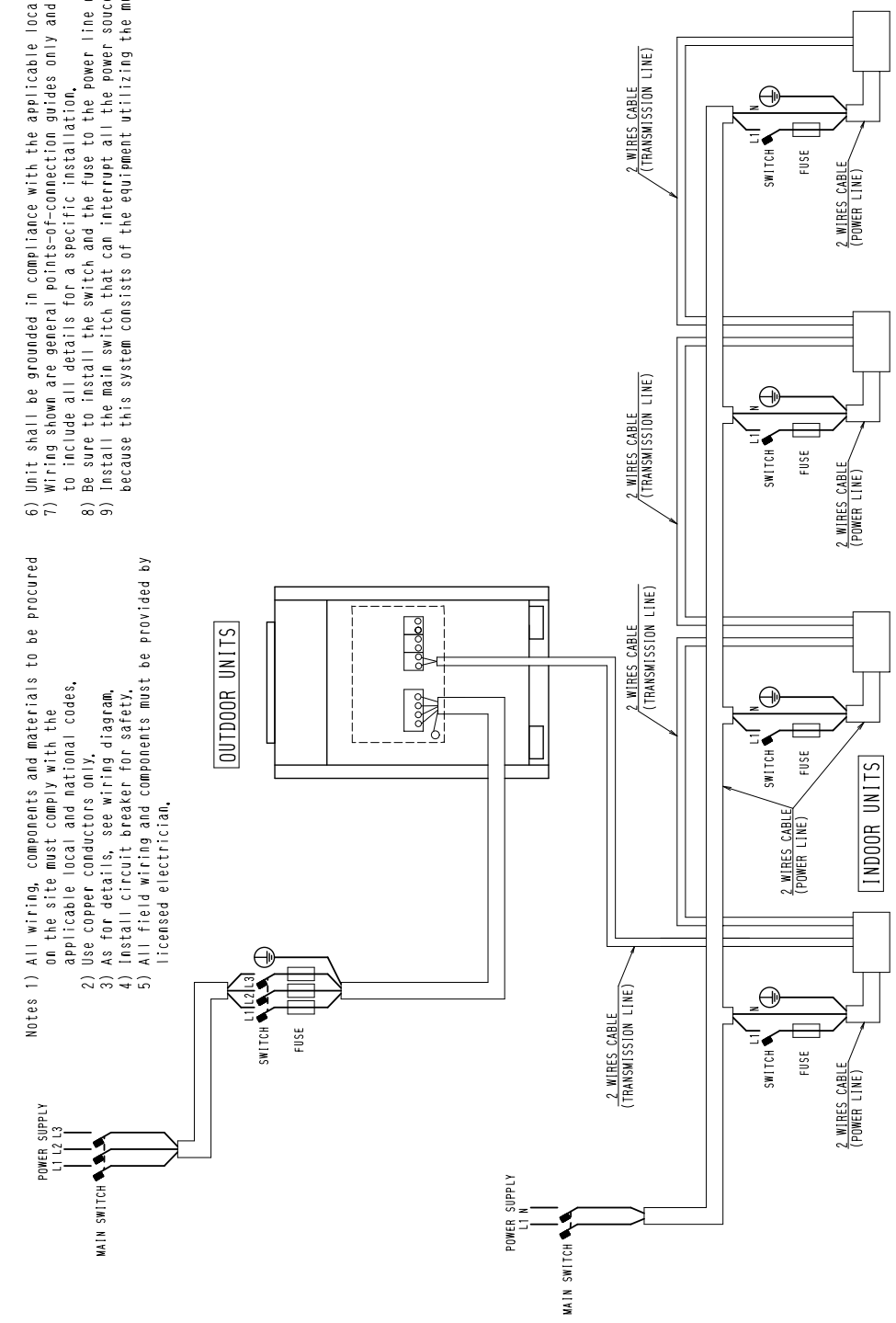
Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) When the power source is connected in series between the units, comply with the following conditions:
The capacity of UNIT1 must be larger than UNIT2.
The capacity of UNIT2 must be larger than UNIT3.


When the power source is supplied to each outdoor unit individually.
When the power source is connected in series between the units.
OUTDOOR UNITS
[UNIT 1]
[UNIT 2]
[UNIT 3]
INDOOR UNITS
POWER SUPPLY L1 L2 L3 N
MAIN SWITCH
SWITCH
FUSE
2 WIRES CABLE (TRANSMISSION LINE)
2 WIRES CABLE (POWER LINE)

2.2.2 60Hz

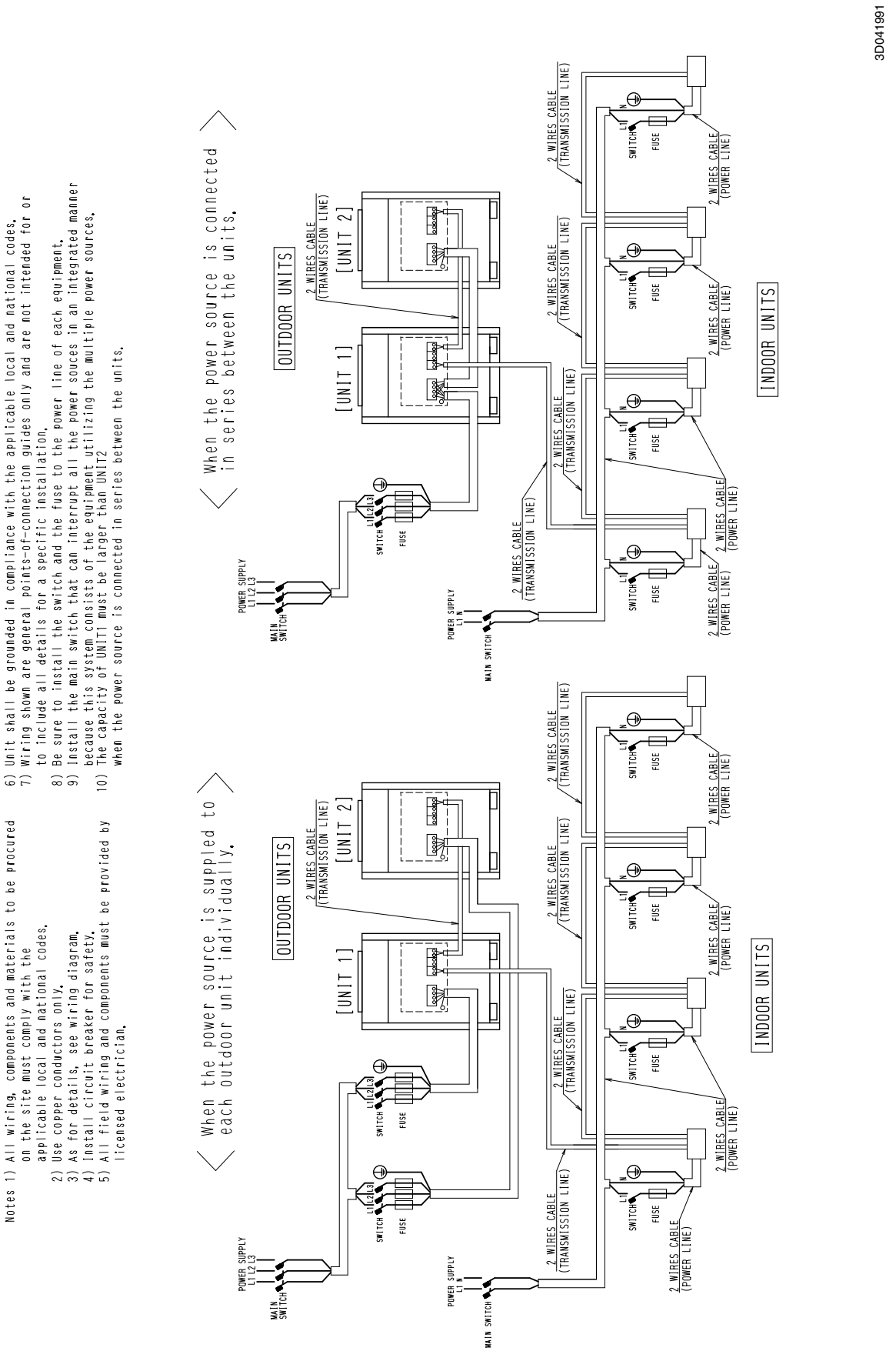
RXY5, 8, 10, 12, 14, 16MTL

3D041990


Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
POWER SUPPLY L1 L2 L3
MAIN SWITCH
L1 L2 L3
SWITCH
FUSE
OUTDOOR UNITS
2 WIRES CABLE (TRANSMISSION LINE)
2 WIRES CABLE (POWER LINE)
INDOOR UNITS
POWER SUPPLY L1 N
MAIN SWITCH
L1
N

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

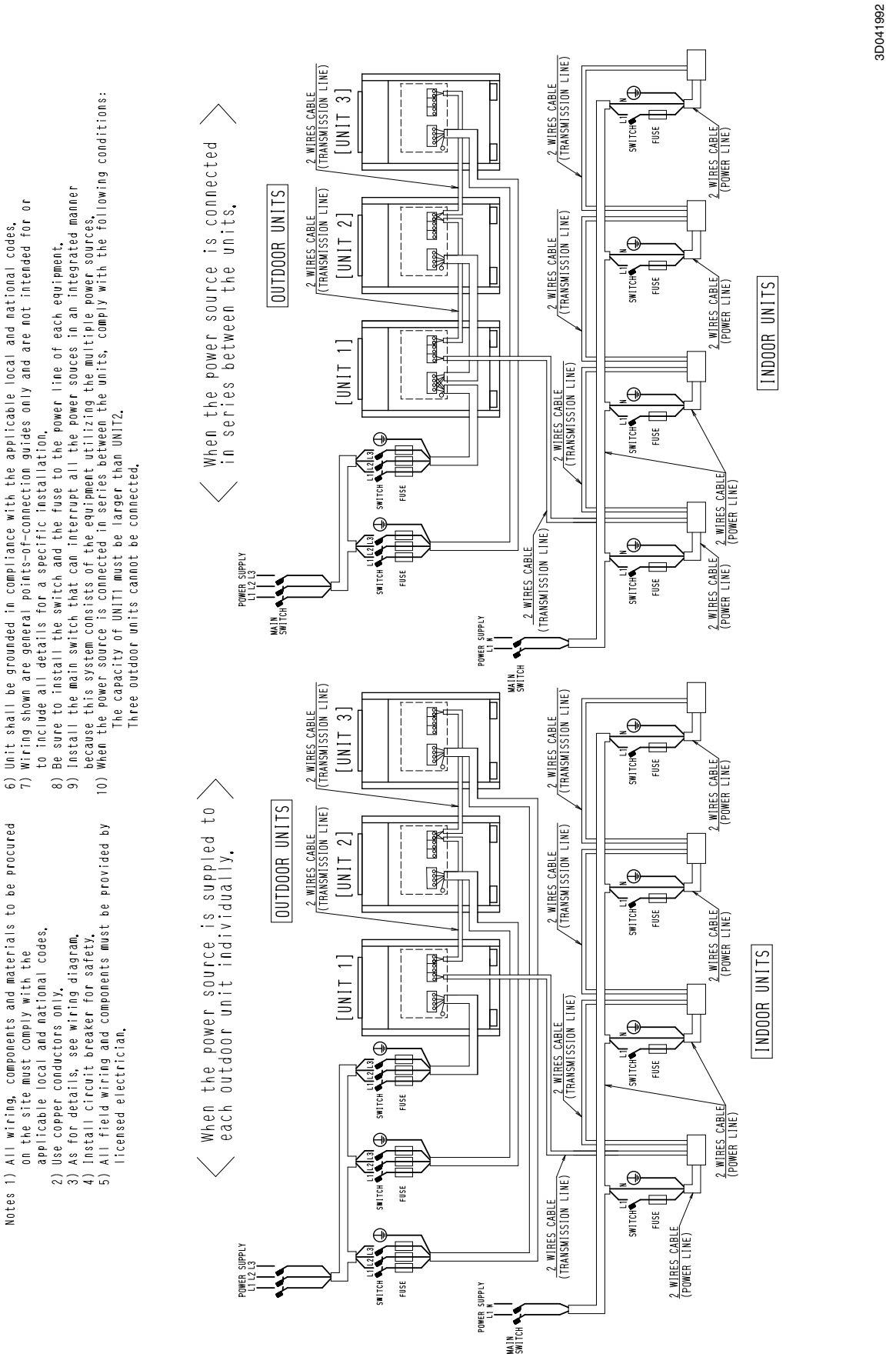
RXY18, 20, 22, 24, 26, 28, 30, 32MTL



Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) The capacity of UNIT1 must be larger than UNIT2 when the power source is connected in series between the units.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

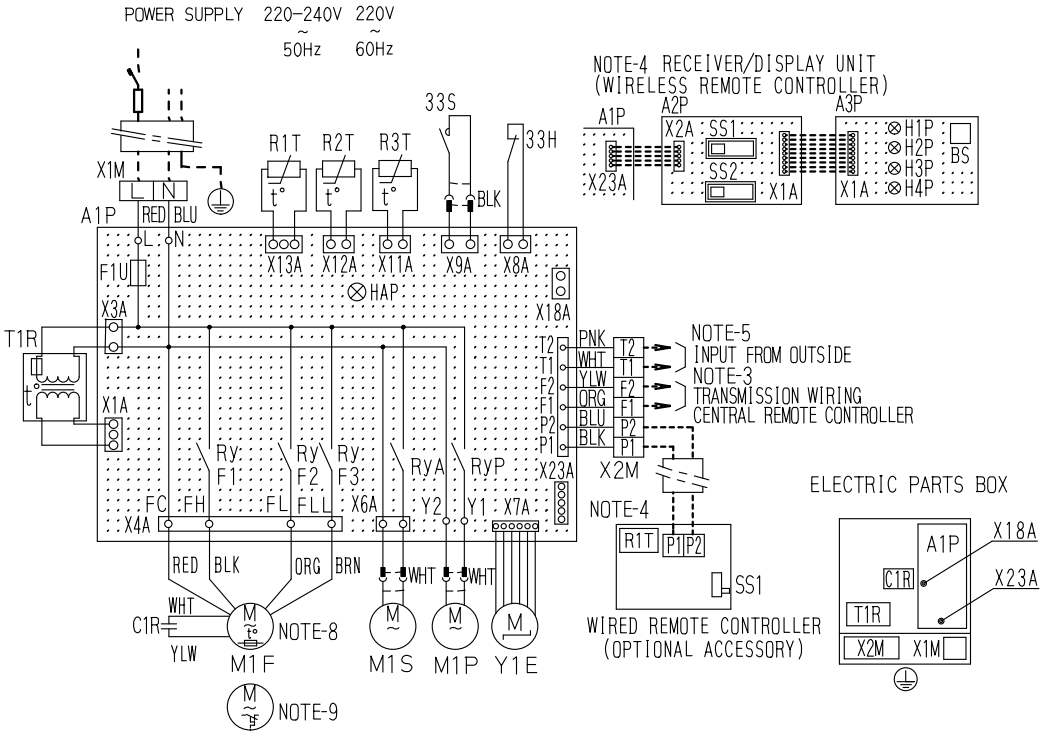
RXY34, 36, 38, 40, 42, 44, 46, 48MTL



Notes 1) All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
2) Use copper conductors only.
3) As for details, see wiring diagram.
4) Install circuit breaker for safety.
5) All field wiring and components must be provided by licensed electrician.
6) Unit shall be grounded in compliance with the applicable local and national codes.
7) Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
8) Be sure to install the switch and the fuse to the power line of each equipment.
9) Install the main switch that can interrupt all the power souces in an integrated manner because this system consists of the equipment utilizing the multiple power sources.
10) When the power source is connected in series between the units, comply with the following conditions:
The capacity of UNIT1 must be larger than UNIT2.
Three outdoor units cannot be connected.

2.3 Indoor Unit

FXC 20L / 25L / 32L / 63LVE



33H	FLOAT SWITCH	M1S	MOTOR (SWING FLAP)	WIRED REMOTE CONTROLLER		H3P	LIGHT EMISSION DIODE (FILTER SIGN-RED)
33S	LIMIT SWITCH (SWING FLAP)	M1P	MOTOR(DRAIN PUMP)	R1T	THERMISTOR(AIR)		
		Q1F	THERMO SWITCH(130℃) (M1F EMBEDDED)(NOTE-9)	SS1	SELECTOR SWITCH (MAIN/SUB)	H4P	LIGHT EMISSION DIODE (DEFROST-ORANGE)
A1P	PRINTED CIRCUIT BOARD			RECEIVER/DISPLAY UNIT (ATTACHED TO WIRELESS REMOTE CONTROLLER)		SS1	SELECTOR SWITCH (MAIN/SUB)
C1R	CAPACITOR(M1F)	R1T	THERMISTOR(AIR)				
F1T	THERMAL FUSE(152℃) (M1F EMBEDDED)(NOTE-8)	R2T·3T	THERMISTOR(COIL)	A2P	PRINTED CIRCUIT BOARD	SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)
		RyA	MAGNETIC RELAY(M1S)				
F1U	FUSE(250V,5A,Ⓑ) OR F10T 250V	RyF1-3	MAGNETIC RELAY(M1F)	A3P	PRINTED CIRCUIT BOARD		
		RyP	MAGNETIC RELAY(M1P)	BS	PUSH BUTTON(ON/OFF)	CONNECTOR FOR OPTIONAL PARTS	
		T1R	TRANSFOMER(220-240V/22V)	H1P	LIGHT EMISSION DIODE (ON-RED)	X18A	CONNECTOR (WIRING ADAPTOR FOR ELECTORICAL APPENDICES)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)	X1M	TERMINAL STRIP(POWER)				
		X2M	TERMINAL STRIP(CONTROL)	H2P	LIGHT EMISSION DIODE (TIMER-GREEN)	X23A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
M1F	MOTOR(INDOOR FAN)	Y1E	ELECTRONIC EXPANSION VALVE				
L—RED N—BLUE							

NOTES) 1. □□□ :TERMINAL ⊡⊡, ⊐⊏ :CONNECTOR —○— :WIRE CLAMP
2. - - - - :FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. X23A IS CONNECTED WHEN THE WIRELESS REMOTE CONTROLLER KIT IS BEING USED.
5. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
6. SYMBOLS SHOWS AS FOLLOWS.
(PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
7. USE COPPER CONDUCTORS ONLY.
8. ONLY FXC63LVE.
9. ONLY FXC20·25·32LVE.

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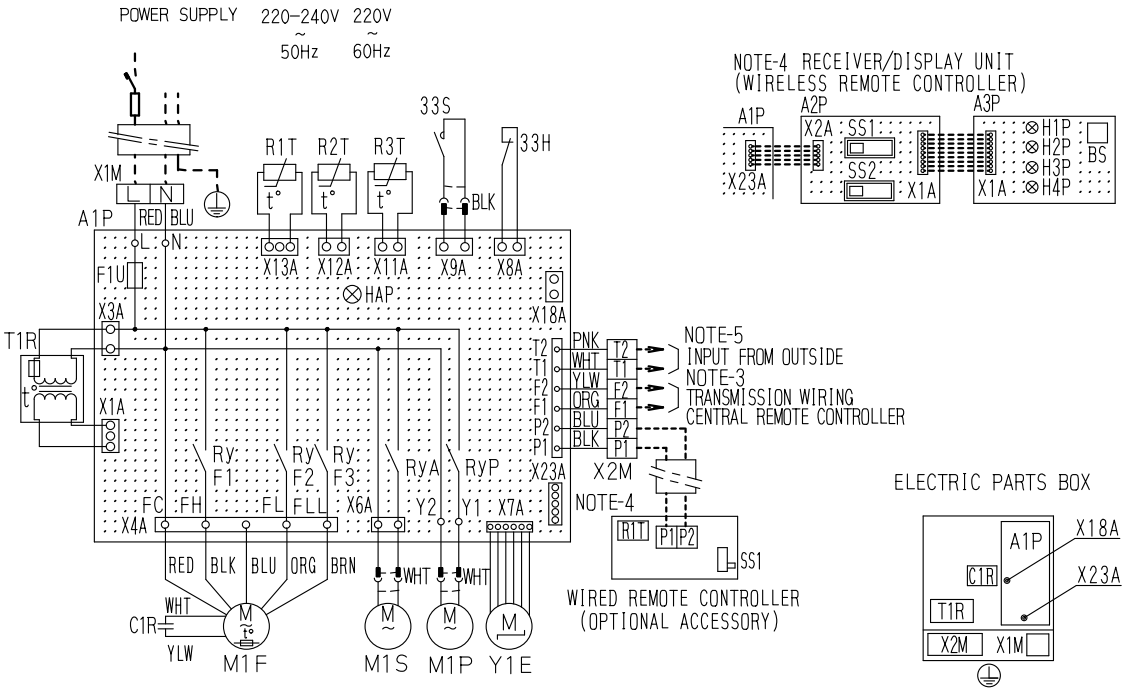
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXC 40L / 50L / 80L / 125LVE



33H	FLOAT SWITCH	RyA	MAGNETIC RELAY(M1S)	H1P	LIGHT EMISSION DIODE (ON-RED)
33S	LIMIT SWITCH (SWING FLAP)	RyF1-3	MAGNETIC RELAY(M1F)		
		RyP	MAGNETIC RELAY(M1P)	H2P	LIGHT EMISSION DIODE (TIMER-GREEN)
A1P	PRINTED CIRCUIT BOARD	T1R	TRANSFOMER(220-240V/22V)		
C1R	CAPACITOR(M1F)	X1M	TERMINAL STRIP(POWER)	H3P	LIGHT EMISSION DIODE (FILTER SIGN-RED)
F1T	THERMAL FUSE(152℃) (M1F EMBEDDED)	X2M	TERMINAL STRIP(CONTROL)		
		Y1E	ELECTRONIC EXPANSION VALVE	H4P	LIGHT EMISSION DIODE (DEFROST-ORANGE)
F1U	FUSE(250V,5A,Ⓑ) OR F10T 250V	WIRED REMOTE CONTROLLER		SS1	SELECTOR SWITCH (MAIN/SUB)
		R1T	THERMISTOR(AIR)		
HAP	LIGHT EMISSION DIODE (SERVICE MONITOR-GREEN)	SS1	SELECTOR SWITCH (MAIN/SUB)	SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)
M1F	MOTOR(INDOOR FAN)	RECEIVER/DISPLAY UNIT (ATTACHED TO WIRELESS REMOTE CONTROLLER)		CONNECTOR FOR OPTIONAL PARTS	
M1S	MOTOR (SWING FLAP)			X18A	CONNECTOR (WIRING ADAPTOR FOR ELECTORICAL APPENDICES)
M1P	MOTOR(DRAIN PUMP)	A2P	PRINTED CIRCUIT BOARD		
R1T	THERMISTOR(AIR)	A3P	PRINTED CIRCUIT BOARD	X23A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
R2T·3T	THERMISTOR(COIL)	BS	PUSH BUTTON(ON/OFF)		
L-RED N-BLUE					

NOTES) 1. □□□□ :TERMINAL ⊙⊙ , ⊐I :CONNECTOR —○— :WIRE CLAMP
2. - - - - :FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. X23A IS CONNECTED WHEN THE WIRELESS REMOTE CONTROLLER KIT IS BEING USED.
5. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
6. SYMBOLS SHOWS AS FOLLOWS.
(PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE
BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
7. USE COPPER CONDUCTORS ONLY.

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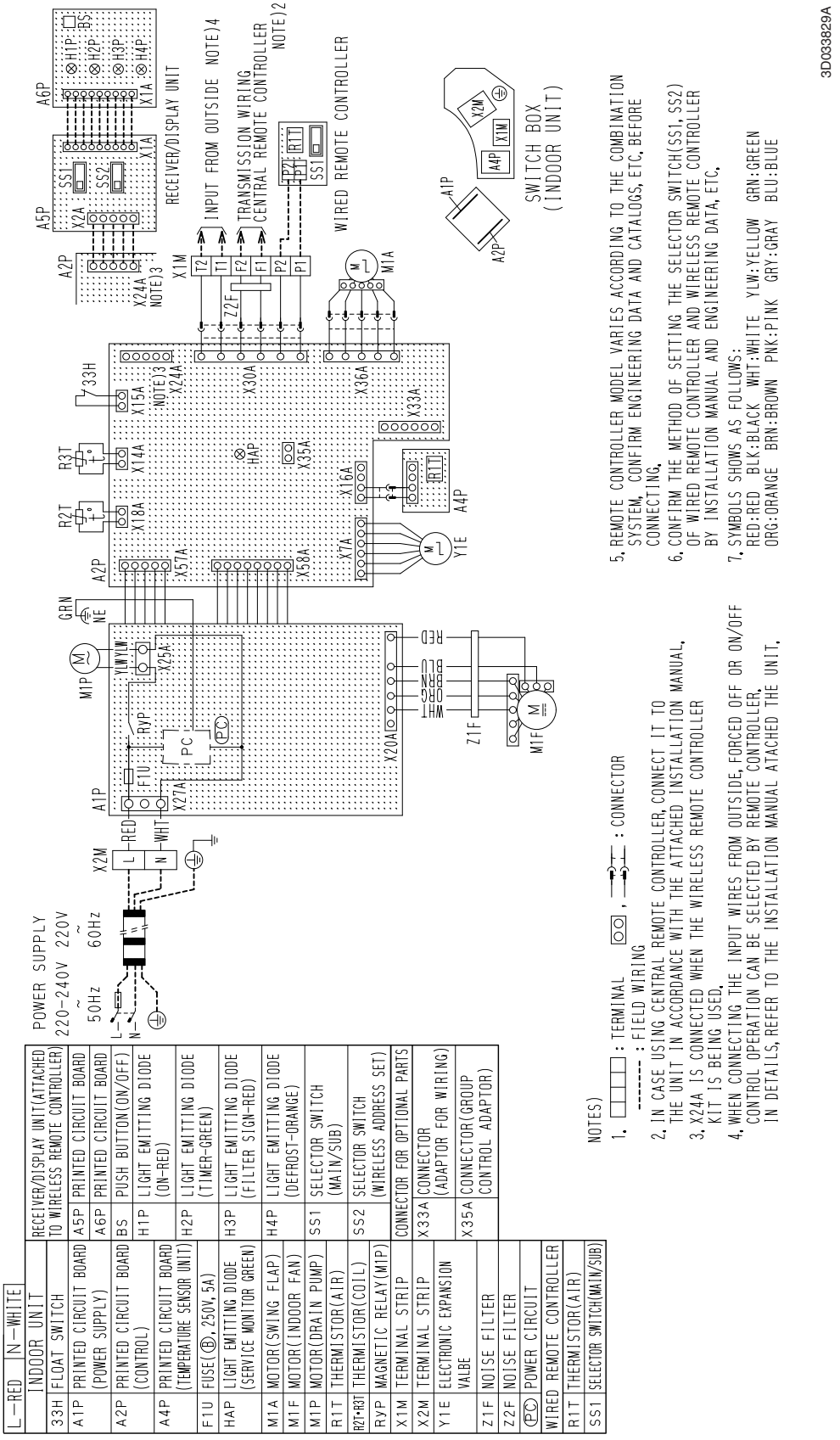
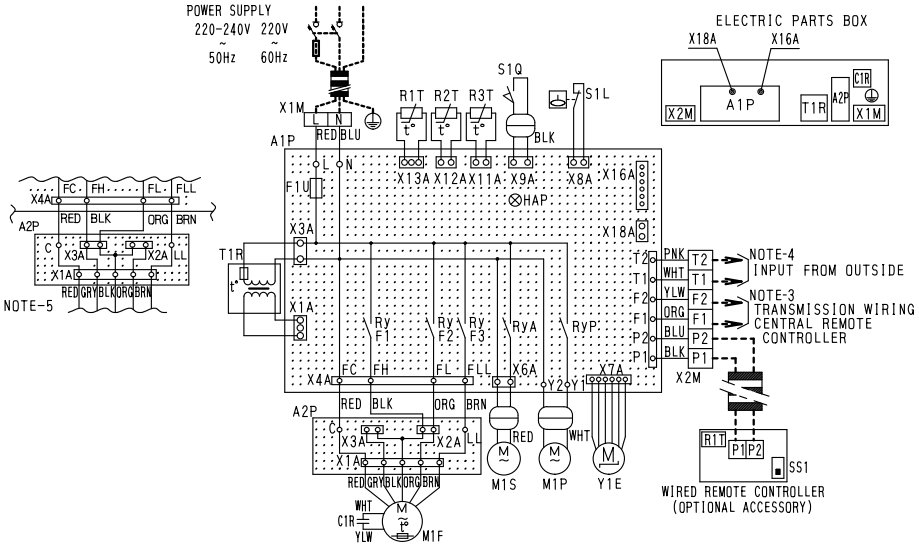
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXF25L / 32L / 40L / 50L / 63L / 80L / 100L / 125LVE



Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXK 25L / 32L / 40L / 63LVE



A1P	PRINTED CIRCUIT BOARD	RyA	MAGNETIC RELAY(M1S)
A2P	TERMINAL BOARD	RyF1-3	MAGNETIC RELAY(M1F)
C1R	CAPACITOR (M1F)	RyP	MAGNETIC RELAY(M1P)
F1T	THERMAL FUSE(105℃)	S1L	FLOAT SWITCH
	(M1F EMBEDDED)	S1Q	LIMIT SWITCH(SWING FLAP)
F1U	FUSE(250V,5A,Ⓑ)	T1R	TRANSFOMER(220-240V/22V)
	OR	X1M	TERMINAL STRIP(POWER)
	F5T 250V	X2M	TERMINAL STRIP(CONTROL)
HAP	LIGHT EMITTING DIODE	Y1E	ELECTRONIC EXPANSION
	(SERVICE MONITOR-GREEN)		VALVE
M1F	MOTOR (INDOOR FAN)	WIRED REMOTE CONTROLLER	
M1P	MOTOR (DRAIN PUMP)	R1T	THERMISTOR(AIR)
M1S	MOTOR (SWING FLAP)	SS1	SELECTOR SWITCH (MAIN/SUB)
R1T	THERMISTOR(AIR)	CONNECTOR FOR OPTIONAL PARTS	
R2T・3T	THERMISTOR(COIL)	X16A	CONNECTOR(ADAPTOR FOR WIRING)
		X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTORICAL APPENDICES)

NOTES) 1. □□□ : TERMINAL BLOCK, ⊡⊡ , ⊐ : CONNECTOR, —○— : TERMINAL
2. ---- : FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. IN CASE HIGH E,S,P, OPERATION, CHANGE OVER THE WIRING CONNECTION FROM X2A TO X3A.
6. SYMBOLS SHOW AS FOLLOWS.(PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN GRY:GRAY)
7. **USE COPPER CONDUCTORS ONLY.**

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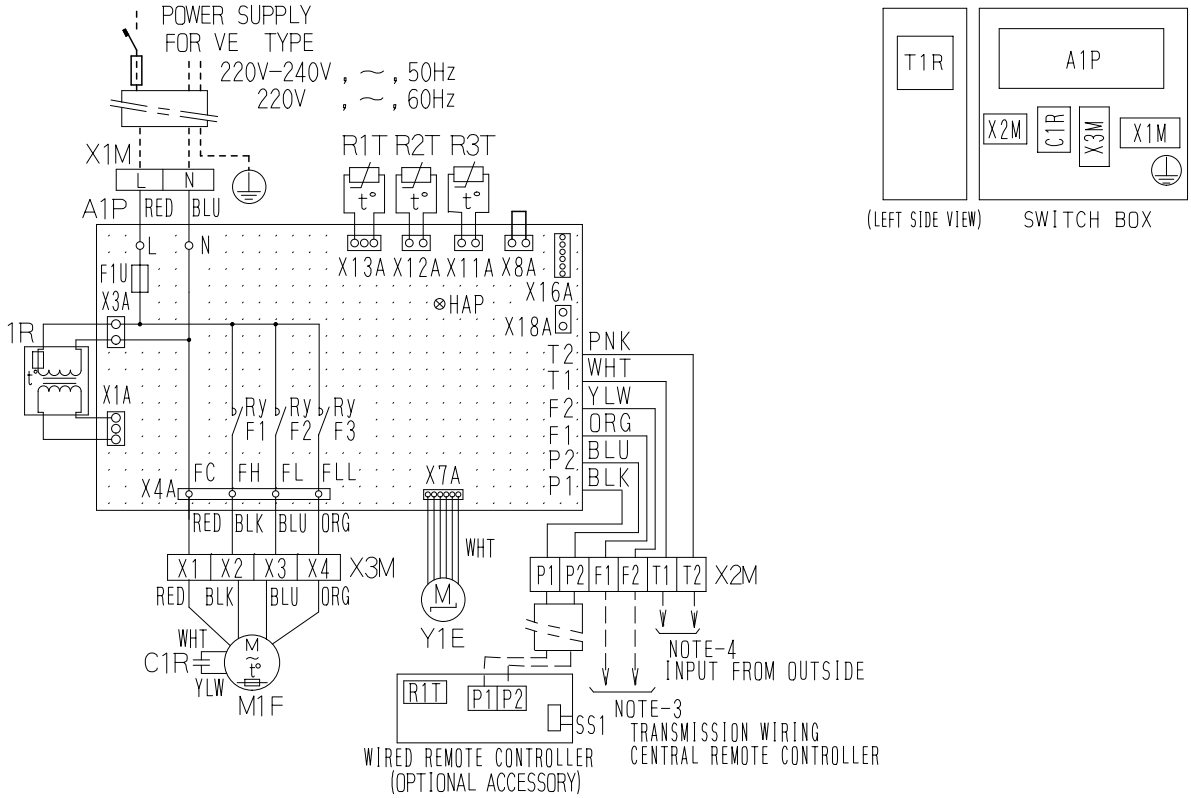
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXYD20KAVE / 25KAVE / 32KAVE / 40KAVE / 50KAVE / 63KAVE



A1P	PRINTED CIRCUIT BOARD
C1R	CAPACITOR (M1F)
F1T	THERMAL FUSE (M1F EMBEDDED) (135±5℃:OFF、95±15℃:ON)
F1U	FUSE (250V,10A)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)
M1F	MOTOR (INDOOR FAN)
R1T	THERMISTOR(AIR)
R2T･3T	THERMISTOR(COIL)
RyF1-3	MAGNETIC RELAY(M1F)
T1R	TRANSFOMER(220-240V/22V)
X1M	TERMINAL STRIP(POWER)
X2M	TERMINAL STRIP(CONTROL)
X3M	TERMINAL STRIP
Y1E	ELECTRONIC EXPANSION VALVE
CONNECTOR FOR OPTIONAL PARTS	
X16A	CONNECTOR(ADAPTOR FOR WIRING)
X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTRICAL APPENDICES)
WIRED REMOTE CONTROLLER	
R1T	THERMISTOR(AIR)
SS1	SELECTOR SWITCH(MAIN/SUB)
L-RED	N-BLUE

NOTES)

1. ▭▭▭ : TERMINAL —○— : WIRE CLAMP
   ▭○○▭ : CONNECTOR ▭○▭ : JUMPER CONNECTOR
2. ---- : FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER, IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. SYMBOLS SHOW AS FOLLOWS. (PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
6. USE COPPER CONDUCTORS ONLY.

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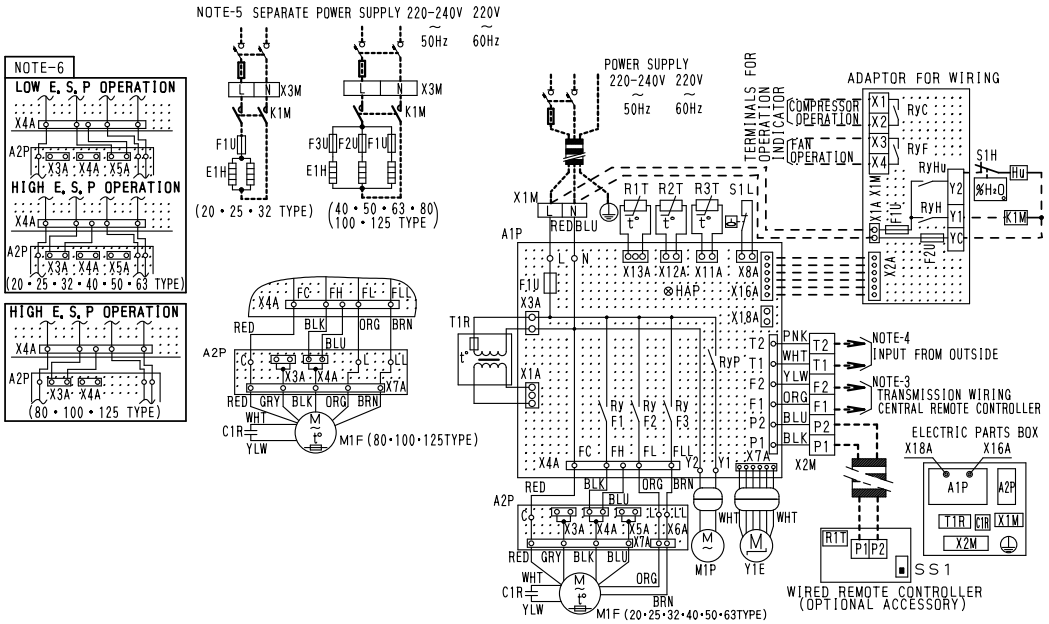
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXS 20L / 25L / 32L / 40L / 50L / 63L / 80L / 100L / 125LVE



NOTES)
1. □□□:TERMINAL BLOCK, ⊡⊡, ⊐⊢ :CONNECTOR, —○— : TERMINAL
2. ---- :FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. IN CASE INSTALLING THE ELECTRIC HEATER, EXECUTE THE ADDITIONAL WIRING FOR HEATER CIRCUIT(K1M, E1H). IN THIS CASE, THE MAIN POWER SUPPLY HAS TO BE SUPPLIED INDEPENDENTLY.
6. IN CASE HIGH OR LOW E.S.P. OPERATION, CHANGE OVER THE WIRING CONNECTION FROM X4A(OF A2P) TO X3A OR X5A.
7. SYMBOLS SHOW AS FOLLOWS, (PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRW:BROWN)
8. **USE COPPER CONDUCTORS ONLY.**

A1P	PRINTED CIRCUIT BOARD	Y1E	ELECTRONIC EXPANSION VALVE
A2P	TERMINAL BOARD	OPTIONAL PARTS	
C1R	CAPACITOR(M1F)	F1U-3U	FUSE(250V, 15A, Ⓑ)
F1T	THERMAL FUSE(152℃) (M1F EMBEDDED)	Hu	HUMIDIFIER
		E1H	ELECTRIC HEATER
F1U	FUSE(250V,10A, Ⓑ) OR F10T 250V	K1M	MAGNETIC RELAY(E1H)
		S1H	HUMIDISTAT
		X3M	TERMINAL STRIP(E1H)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)	WIRED REMOTE CONTROLLER	
		R1T	THERMISTOR(AIR)
M1F	MOTOR(INDOOR FAN)	SS1	SELECTOR SWITCH(MAIN/SUB)
M1P	MOTOR(DRAIN PUMP)	ADAPTOR FOR WIRING	
R1T	THERMISTOR(AIR)	F1U・2U	FUSE (250V, 5A, Ⓑ)
R2T・3T	THERMISTOR(COIL)	RyC	MAGNETIC RELAY
RyF1-3	MAGNETIC RELAY(M1F)	RyF	MAGNETIC RELAY
RyP	MAGNETIC RELAY(M1P)	RyH	MAGNETIC RELAY(E1H)
S1L	FLOAT SWITCH	RyHu	MAGNETIC RELAY(Hu)
T1R	TRANSFORMER(220-240V/22V)	CONNECTOR FOR OPTIONAL PARTS	
X1M	TERMINAL STRIP(POWER)	X16A	CONNECTOR(ADAPTOR FOR WIRING)
X2M	TERMINAL STRIP(CONTROL)	X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTORICAL APPENDICES)

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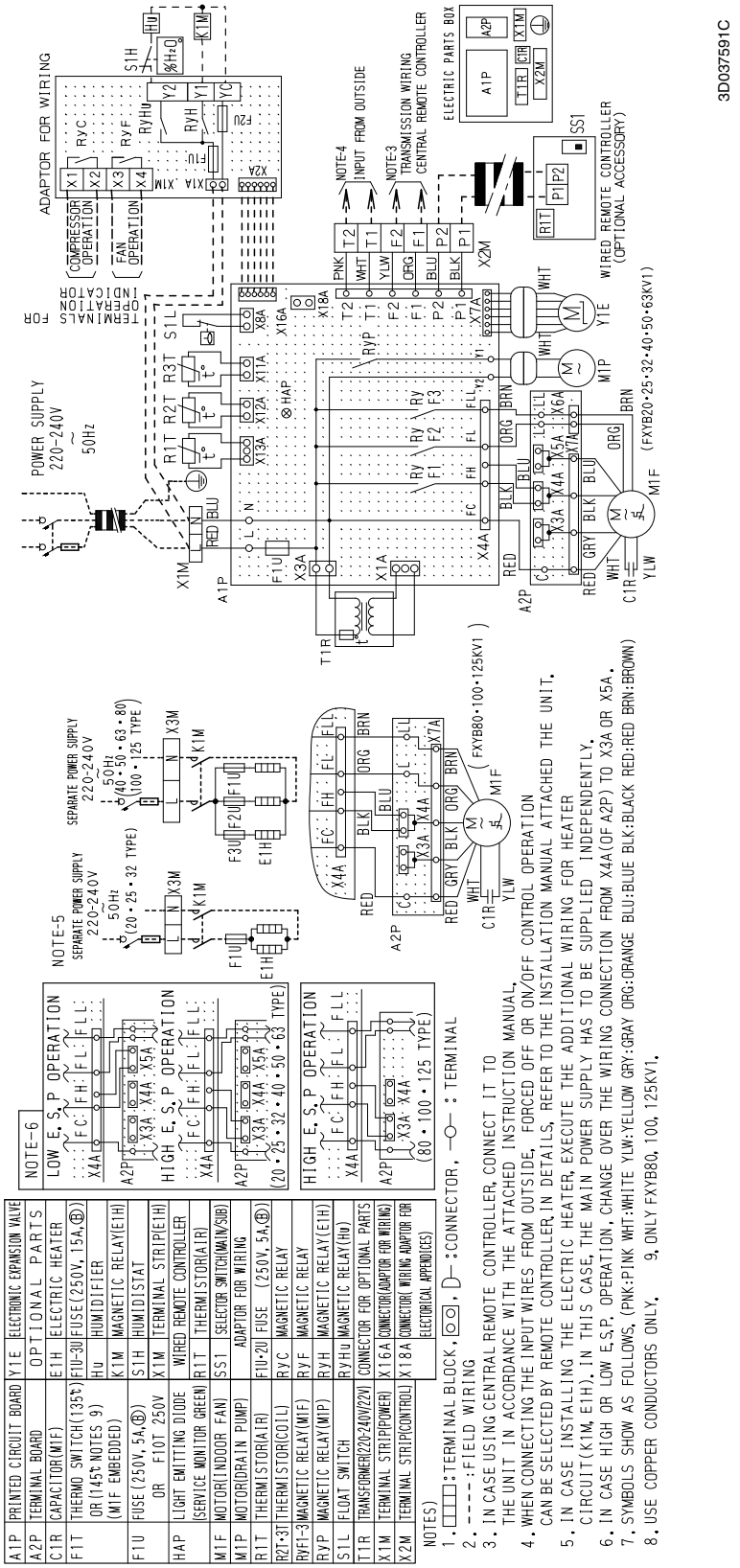
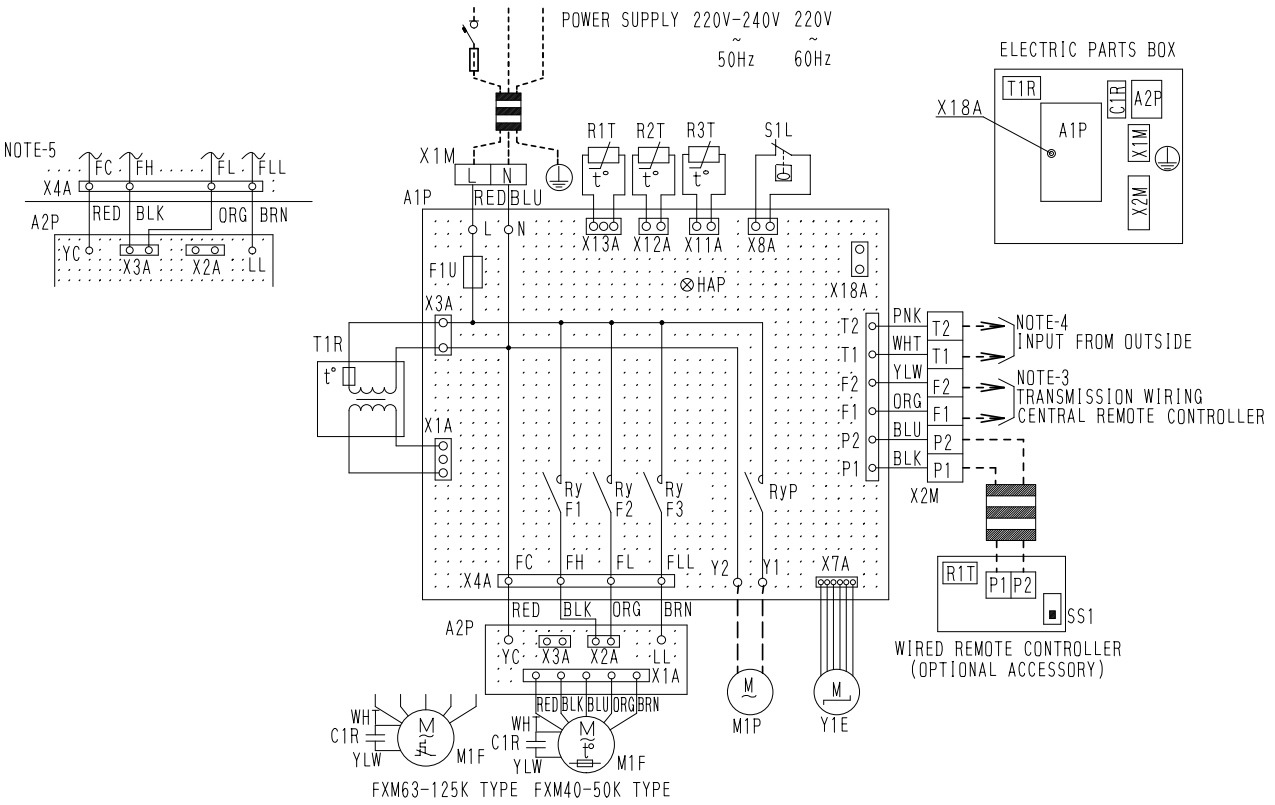
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXYB20K / 25K / 32K / 40K / 50K / 63K/ 80K / 100K/ 125KV1


3D037591C
A1P PRINTED CIRCUIT BOARD
A2P TERMINAL BOARD
C1R CAPACITOR(M1F)
F1T THERMO SWITCH(135°) OR(145° NOTES 9) (M1F EMBEDDED)
F1U FUSE(250V,5A,Ⓑ) OR F10T 250V
HAP LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)
M1F MOTOR(INDOOR FAN)
M1P MOTOR(DRAIN PUMP)
R1T THERMISTOR(AIR)
R2T,3T THERMISTOR(COIL)
RyFi-3 MAGNETIC RELAY(M1F)
RyP MAGNETIC RELAY(M1P)
S1L FLOAT SWITCH
T1R TRANSFORMER(220-240V/22V)
X1M TERMINAL STRIP(POWER)
X2M TERMINAL STRIP(CONTROL)
Y1E ELECTRONIC EXPANSION VALVE
OPTIONAL PARTS
E1H ELECTRIC HEATER
F1U,3U FUSE(250V,15A,Ⓑ)
Hu HUMIDIFIER
K1M MAGNETIC RELAY(E1H)
S1H HUMIDISTAT
X1M TERMINAL STRIP(E1H)
R1T THERMISTOR(AIR)
SS1 SELECTOR SWITCH(MAIN/SUB)
ADAPTOR FOR WIRING
F1U,2U FUSE (250V,5A,Ⓑ)
RyC MAGNETIC RELAY
RyF MAGNETIC RELAY
RyH MAGNETIC RELAY(E1H)
RyHu MAGNETIC RELAY(Hu)
CONNECTOR FOR OPTIONAL PARTS
X16A CONNECTOR(ADAPTOR FOR WIRING)
X18A CONNECTOR(WIRING ADAPTOR FOR ELECTRICAL APPENDICES)
NOTE-6
LOW E.S.P OPERATION
HIGH E.S.P OPERATION
HIGH E.S.P OPERATION
NOTE-5
SEPARATE POWER SUPPLY 220-240V 50Hz
(20・25・32 TYPE)
(40・50・63・80 (100・125 TYPE)
(20・25・32・40・50・63 TYPE)
(80・100・125 TYPE)
ADAPTOR FOR WIRING
COMPRESSOR OPERATION
FAN OPERATION
TERMINALS FOR OPERATION INDICATOR
POWER SUPPLY 220-240V ~ 50Hz
NOTE-4 INPUT FROM OUTSIDE
NOTE3 TRANSMISSION WIRING CENTRAL REMOTE CONTROLLER
ELECTRIC PARTS BOX
WIRED REMOTE CONTROLLER (OPTIONAL ACCESSORY)
(FXYB20・25・32・40・50・63KV1)
(FXYB80・100・125KV1)
NOTES)
1. □□□:TERMINAL BLOCK, ⊙⊙, D-:CONNECTOR, —○— : TERMINAL
2. -----:FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER, IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. IN CASE INSTALLING THE ELECTRIC HEATER, EXECUTE THE ADDITIONAL WIRING FOR HEATER CIRCUIT(K1M, E1H). IN THIS CASE, THE MAIN POWER SUPPLY HAS TO BE SUPPLIED INDEPENDENTLY.
6. IN CASE HIGH OR LOW E.S.P. OPERATION, CHANGE OVER THE WIRING CONNECTION FROM X4A(OF A2P) TO X3A OR X5A.
7. SYMBOLS SHOW AS FOLLOWS, (PNK:PINK WHT:WHITE YLW:YELLOW GRY:GRAY ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
8. USE COPPER CONDUCTORS ONLY. 9. ONLY FXYB80, 100, 125KV1.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXM 40L / 50L / 63L / 80L / 100L / 125LVE



A1P	PRINTED CIRCUIT BOARD	R2T·3T	THERMISTOR(COIL)	CONNECTOR FOR OPTIONAL PARTS	
A2P	TERMINAL BOARD	RyF1-3	MAGNETIC RELAY(M1F)	X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTORICAL APPENDICES)
C1R	CAPACITOR(M1F)	RyP	MAGNETIC RELAY(M1P)		
F1T	THERMAL FUSE(153℃) (M1F BUILT-IN ONLY40·50TYPE))	S1L	FLOAT SWITCH		
		T1R	TRANSFORMER(220-240V/22V)		
		X1M	TERMINAL STRIP(POWER)		
F1U	FUSE(250V,10A,Ⓑ) OR F10T 250V	X2M	TERMINAL STRIP(CONTROL)		
		Y1E	ELECTRONIC EXPANSION VALVE		
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)	OPTIONAL PARTS			
M1F	MOTOR(INDOOR FAN)	M1P	MOTOR (DRAIN PUMP)		
Q1F	THERMO SWITCH (M1F BUILT-IN ONLY63-125TYPE)	WIRED REMOTE CONTROLLER			
		SS1	SELECTOR SWITCH (MAIN/SUB)		
R1T	THERMISTOR(AIR)	R1T	THERMISTOR(AIR)		

NOTES)
1. ⊏⊐⊐ :TERMINAL, ⊏○○⊐ , ⊐I :CONNECTOR, —○— :WIRE CLAMP
2. ---- :FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. IN CASE HIGH E.S.P. OPERATION, CHANGE THE WIRING CONNECTION OF X2A AS SHOWN UPPER FIGURE.
6. SYMBOLS SHOW AS FOLLOWS, (PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
7. USE COPPER CONDUCTORS ONLY.

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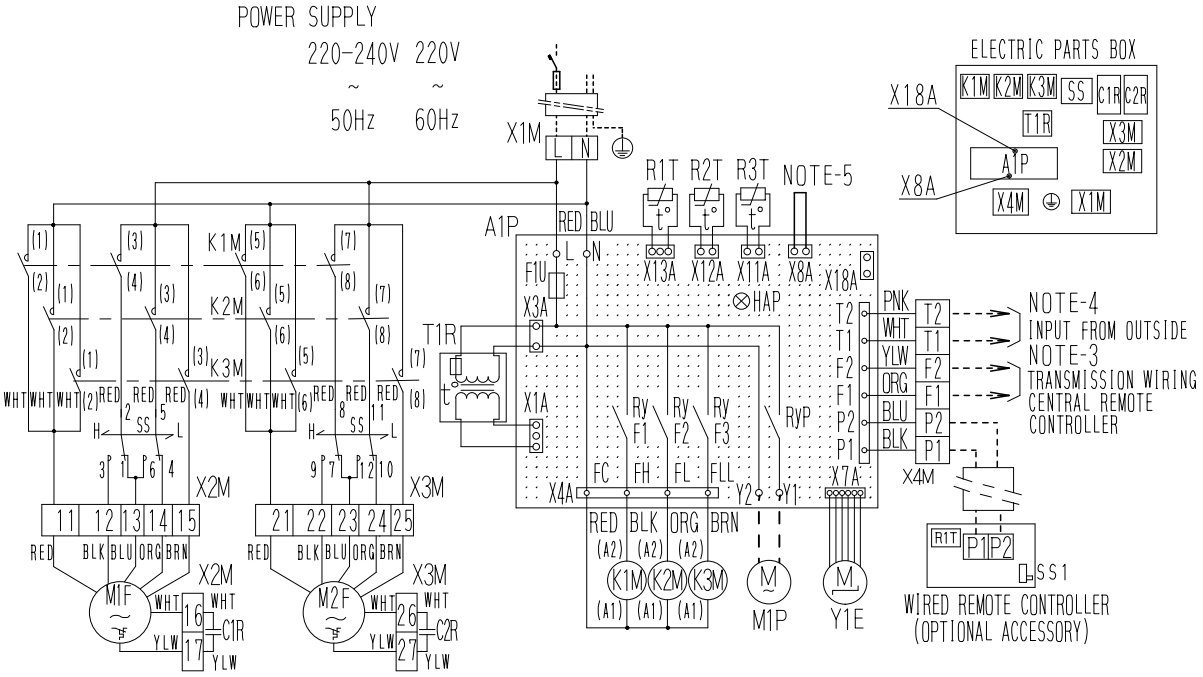
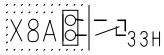
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXM 200L / 250LVE



NOTES)

1. ▭,—●—: TERMINAL ⊙,⊂: CONNECTOR —○—: WIRE CLAMP ▭: JUMPER CONNECTOR
2. ---- :FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. IN CASE INSTALLING THE DRAIN PUMP, REMOVE THE JUMPER AND EXECUTE THE ADDITIONAL WIRING FOR FLOAT SWITCH(33H).



6. SYMBOLS SHOW AS FOLLOWS, (PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
7. USE COPPER CONDUCTORS ONLY.
8. IN CASE HIGH E.S.P. OPERATION, CHANGE THE SWITCH(SS) FOR "H".

A1P	PRINTED CIRCUIT BOARD	RyF1-F3	MAGNETIC RELAY(M1F・2F)
C1R・2R	CAPACITOR (M1F・2F)	RyP	MAGNETIC RELAY(M1P)
F1U	FUSE(250V,10A,Ⓑ) OR F10T 250V	SS	SELECTOR SWITCH (STATIC PRESSURE)
		T1R	TRANSFOMER(220-240V/22V)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)	X1M	TERMINAL STRIP(POWER)
		X2M-4M	TERMINAL STRIP(CONTROL)
K1M	MAGNETIC CONTACTOR(M1F・2F)	Y1E	ELECTRONIC EXPANSION VALVE
K2M	MAGNETIC CONTACTOR(M1F・2F)	OPTIONAL PARTS	
K3M	MAGNETIC CONTACTOR(M1F・2F)	M1P	MOTOR (DRAIN PUMP)
M1F・2F	MOTOR (INDOOR FAN)	WIRED REMOTE CONTROLLER	
Q1F	THERMO SWITCH (M1F・2F EMBEDDED)	R1T	THERMISTOR(AIR)
		SS1	SELECTOR SWITCH(MAIN/SUB)
R1T	THERMISTOR(AIR)	CONNECTOR FOR OPTIONAL PARTS	
R2T・3T	THERMISTOR(COIL)	X8A	CONNECTOR(FLOAT SWITCH)
L-RED N-BLUE		X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTORICAL APPENDICES)

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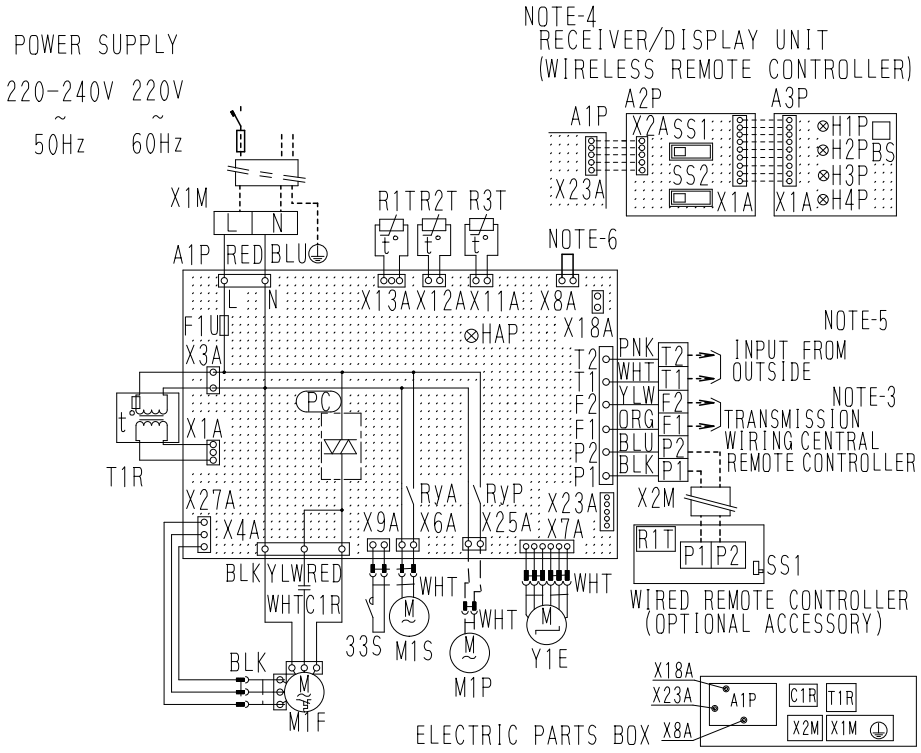
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXH 32L / 63L / 100LVE



33S	LIMIT SWITCH (SWING FLAP)	H3P	LIGHT EMITTING DIODE (FILTER SIGN-RED)
A1P	PRINTED CIRCUIT BOARD		
C1R	CAPACITOR (M1F)	H4P	LIGHT EMITTING DIODE (DEFROST-ORANGE)
F1U	FUSE(250V,5A Ⓑ)OR F10T 250V	SS1	SELECTOR SWITCH (MAIN/SUB)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)	SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)
M1F	MOTOR (INDOOR FAN)		
M1S	MOTOR (SWING FLAP)		CONNECTOR FOR OPTIONAL PARTS
Q1F	THERMO SWITCH (M1F EMBEDDED)	X8A	CONNECTOR (FLOAT SWITCH)
R1T	THERMISTOR (AIR)	X18A	CONNECTOR (WIRING ADAPTOR FOR ELECTRICAL APPENDICES)
R2T	THERMISTOR (COIL LIQUID)		
R3T	THERMISTOR (COIL GAS)	X23A	CONNECTOR (WIRELESS REMOTE CONTROLLER)
RyA	MAGNETIC RELAY (M1S)		
RyP	MAGNETIC RELAY (M1P)		
T1R	TRANSFOMER (220-240V/22V)		
X1M	TERMINAL STRIP (POWER)		
X2M	TERMINAL STRIP (CONTROL)		
Y1E	ELECTRONIC EXPANSION VALVE		
Ⓟ Ⓒ	PHASE CONTROL CIRCUIT		
	OPTIONAL PARTS		
M1P	MOTOR (DRAIN PUMP)		
	WIRED REMOTE CONTROLLER		
R1T	THERMISTOR (AIR)		
SS1	SELECTOR SWITCH (MAIN/SUB)		
	RECEIVER/DISPLAY UNIT (ATTACHED TO WIRELESS REMOTE CONTROLLER)		
A2P	PRINTED CIRCUIT BOARD		
A3P	PRINTED CIRCUIT BOARD		
BS	PUSH BUTTON (ON/OFF)		
H1P	LIGHT EMITTING DIODE (ON-RED)		
H2P	LIGHT EMITTING DIODE (TIMER-GREEN)		

NOTES)
1. □□□□: TERMINAL ⊙⊙, ⊐I: CONNECTOR ⊙□: CONNECTOR
   —○—: WIRE CLAMP
2. ----: FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTION MANUAL.
4. X23A IS CONNECTED WHEN THE WIRELESS REMOTE CONTROLLER KIT IS BEING USED.
5. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
6. IN CASE INSTALLING THE DRAIN PUMP, REMOVE THE JUMPER CONNECTOR OF X8A AND EXECUTE THE ADDITIONAL WIRING FOR FLOAT SWITCH AND DRAIN PUMP.
7. SYMBOLS SHOW AS FOLLOWS.
   (PNK: PINK WHT: WHITE YLW: YELLOW ORG: ORANGE
   BLU: BLUE BLK: BLACK RED: RED)
8. USE COPPER CONDUCTORS ONLY.

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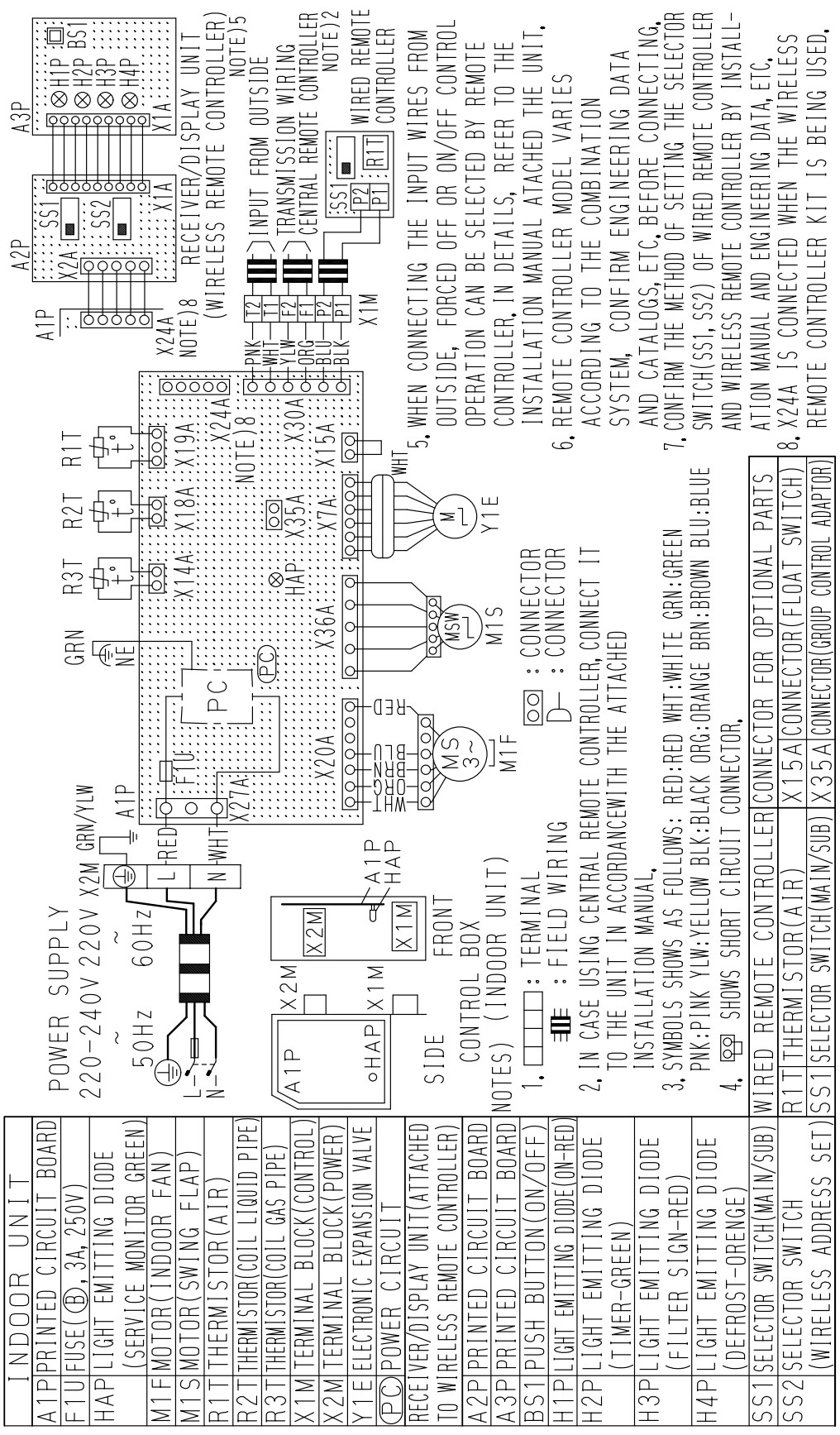
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

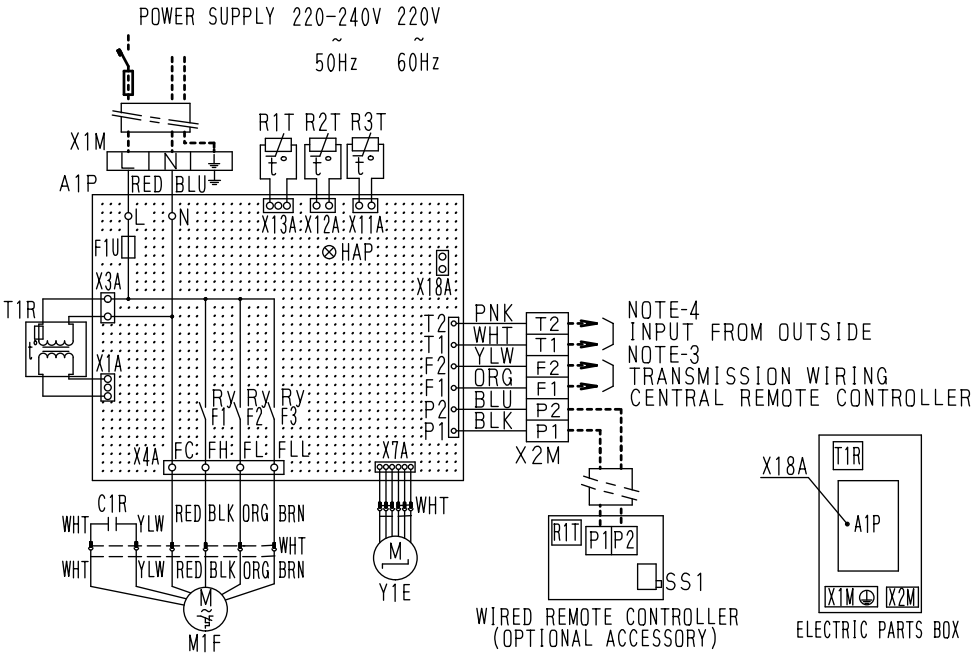
FXA20L / 25L / 32L / 40L / 50L / 63LVE



INDOOR UNIT			
A1P	PRINTED CIRCUIT BOARD		
F1U	FUSE(Ⓑ, 3A, 250V)		
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)		
M1F	MOTOR(INDOOR FAN)		
M1S	MOTOR(SWING FLAP)		
R1T	THERMISTOR(AIR)		
R2T	THERMISTOR(COIL LIQUID PIPE)		
R3T	THERMISTOR(COIL GAS PIPE)		
X1M	TERMINAL BLOCK(CONTROL)		
X2M	TERMINAL BLOCK(POWER)		
Y1E	ELECTRONIC EXPANSION VALVE		
PC	POWER CIRCUIT		
	RECEIVER/DISPLAY UNIT(ATTACHED TO WIRELESS REMOTE CONTROLLER)		
A2P	PRINTED CIRCUIT BOARD		
A3P	PRINTED CIRCUIT BOARD		
BS1	PUSH BUTTON(ON/OFF)		
H1P	LIGHT EMITTING DIODE(ON-RED)		
H2P	LIGHT EMITTING DIODE (TIMER-GREEN)		
H3P	LIGHT EMITTING DIODE (FILTER SIGN-RED)		
H4P	LIGHT EMITTING DIODE (DEFROST-ORENGE)		
SS1	SELECTOR SWITCH(MAIN/SUB)	WIRED REMOTE CONTROLLER	CONNECTOR FOR OPTIONAL PARTS
SS2	SELECTOR SWITCH (WIRELESS ADDRESS SET)	R1T THERMISTOR(AIR)	X15A CONNECTOR(FLOAT SWITCH)
		SS1 SELECTOR SWITCH(MAIN/SUB)	X35A CONNECTOR(GROUP CONTROL ADAPTOR)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

FXL 20L / 25L / 32L / 40L / 50L / 63LVE
FXN 20L / 25L / 32L / 40L / 50L / 63LVE



NOTES)
1. ▭▭:TERMINAL, ⊙⊙, ⊐⊏:CONNECTOR, —○—:WIRE CLAMP
2. ----:FIELD WIRING
3. IN CASE USING CENTRAL REMOTE CONTROLLER, CONNECT IT TO THE UNIT IN ACCORDANCE WITH THE ATTACHED INSTRUCTIO MANUAL.
4. WHEN CONNECTING THE INPUT WIRES FROM OUTSIDE, FORCED OFF OR ON/OFF CONTROL OPERATION CAN BE SELECTED BY REMOTE CONTROLLER. IN DETAILS, REFER TO THE INSTALLATION MANUAL ATTACHED THE UNIT.
5. SYMBOLS SHOW AS FOLLOWS. (PNK:PINK WHT:WHITE YLW:YELLOW ORG:ORANGE BLU:BLUE BLK:BLACK RED:RED BRN:BROWN)
6. USE COPPER CONDUCTORS ONLY.

A1P	PRINTED CIRCUIT BOARD	X2M	TERMINAL STRIP(CONTROL)
C1R	CAPACITOR (M1F)	Y1E	ELECTRONIC EXPANSION VALVE
F1U	FUSE(250V,10A,Ⓑ) OR F10T 250V	WIRED REMOTE CONTROLLER	
		R1T	THERMISTOR(AIR)
		SS1	SELECTOR SWITCH(MAIN/SUB)
HAP	LIGHT EMITTING DIODE (SERVICE MONITOR-GREEN)	CONNECTOR FOR OPTIONAL PARTS	
		X18A	CONNECTOR(WIRING ADAPTOR FOR ELECTORICAL APPENDICES)
M1F	MOTOR (INDOOR FAN)		
Q1F	THERMO SWITCH (M1F EMBEDDED)		
R1T	THERMISTOR(AIR)		
R2T・3T	THERMISTOR(COIL)		
RyF1-3	MAGNETIC RELAY(M1F)		
T1R	TRANSFOMER(220-240V/22V)		
X1M	TERMINAL STRIP(POWER)		
L-RED	N-BLUE		

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Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3. List of Electrical and Functional Parts

3.1 Outdoor Unit

3.1.1 RXY5~16MY1

Item	Name		Symbol	Model		
				RXY5MY1	RXY8MY1	RXY10MY1
Compressor	Inverter	Type	M1C	JT1FBVDKYR 3.2kW	JT1FBVDKTYR 1.2kW	JT1FBVDKTYR 2.7kW
		Output				
	STD.1	Type	M2C	—	JT170FBKYE 4.5kW	JT170FBKYE 4.5kW
		Output				
	STD.2	Type	M3C	—		
		Output				
	Crankcase heater (INV)		E1HC	240V 33W		
	Crankcase heater (STD.1)		E2HC	—	240V 33W	
	Crankcase heater (STD.2)		E3HC	—		
	OC protection device for STD compressor		—	—	13A	
Fan motor	Motor		M1F	0.35kw	0.75kw	
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	2000pls	0pls	
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	—	PI control	
		Heating			0pls	
	Solenoid valve (Hot gas)		Y1S	TEV1620DQ2	VPV-603D	
	Solenoid valve (External multi oil)		Y2S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas charge)		Y3S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas discharge)		Y4S	—	VPV-603D	
			Y2S	TEV1620DQ2	—	
	Solenoid valve (Injection)		Y4S	TEV1620DQ2	—	
	Solenoid valve (Non-operating unit gas discharge)		Y5S	—	TEV1620DQ2	
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	—	VPV-803DQ50	
	4 way valve		Y3S	VT3101C	—	
			Y7S	—	VHV-0404	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Pressure switch (STD2)		S3PH	—		
	Fusible plug		—	FPGH-3D 70 to 75°C		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R3T	3.5 to 400Ω	—	
			R31T	—	3.5 to 400Ω	
		For discharge pipe (STD.1)	R32T	—	3.5 to 400Ω	
		For discharge pipe (STD.2)	R33T	—		
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	—	3.5 to 360Ω	
		For equalizing pipe	R7T	—	3.5 to 360Ω	
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Item	Name		Symbol	Model		
				RXY12MY1	RXY14MY1	RXY16MY1
Compressor	Inverter	Type	M1C	JT1FBVDKTYR	JT1FBVDKTYR	JT1FBVDKTYR
		Output		4.2kW	2.0kW	3.0kW
	STD.1	Type	M2C	JT170FBKYE	JT170FBKYE	JT170FBKYE
		Output		4.5kW	4.5kW	4.5kW
	STD.2	Type	M3C	—	JT170FBKYE	JT170FBKYE
		Output			4.5kW	4.5kW
	Crankcase heater (INV)		E1HC	240V 33W		
	Crankcase heater (STD.1)		E2HC	240V 33W		
	Crankcase heater (STD.2)		E3HC	—	240V 33W	
	OC protection device for STD compressor		—	13A		
Fan motor	Motor		M1F	0.75kw		
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	0pls		
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	PI control		
		Heating		0pls		
	Solenoid valve (Hot gas)		Y1S	VPV-603D	TEV1620DQ2	
	Solenoid valve (External multi oil)		Y2S	TEV1620DQ2		
	Solenoid valve (Receiver gas charge)		Y3S	TEV1620DQ2		
	Solenoid valve (Receiver gas discharge)		Y4S	VPV-603D		
	Solenoid valve (Non-operating unit gas discharge)		Y5S	TEV1620DQ2		
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	VPV-803DQ50		
	4 way valve		Y7S	VHV0404	VT60100	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	PS80 ON : 2.7+0/-0.15MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD2)		S3PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Fusible plug		—	FPGH-3D 70 to 75°c		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R31T	3.5 to 400Ω		
		For discharge pipe (STD.1)	R32T	3.5 to 400Ω		
		For discharge pipe (STD.2)	R33T	—	3.5 to 400Ω	
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	3.5 to 360Ω		
		For equalizing pipe	R7T	3.5 to 360Ω		
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.2 RXY5~16MYL

Item	Name		Symbol	Model		
				RXY5MYL	RXY8MYL	RXY10MYL
Compressor	Inverter	Type	M1C	JT1FBVDKYR	JT1FBVDKTYR	JT1FBVDKTYR
		Output		3.2kW	1.2kW	2.7kW
	STD.1	Type	M2C	—	JT170FBKYH	JT170FBKYH
		Output			4.5kW	4.5kW
	STD.2	Type	M3C	—		
		Output				
	Crankcase heater (INV)		E1HC	200V 33W		
	Crankcase heater (STD.1)		E2HC	—	200V 33W	
	Crankcase heater (STD.2)		E3HC	—		
	OC protection device for STD compressor		—	—	13A	
Fan motor	Motor		M1F	0.35kw	0.75kw	
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	2000pls	0pls	
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	—	PI control	
		Heating			0pls	
	Solenoid valve (Hot gas)		Y1S	TEV1620DQ2	—	
	Solenoid valve (External multi oil)		Y2S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas charge)		Y3S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas discharge)		Y4S	—	VPV-603D	
			Y2S	TEV1620DQ2	—	
	Solenoid valve (Injection)		Y4S	—		
	Solenoid valve (Non-operating unit gas discharge)		Y5S	—	TEV1620DQ2	
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	—	VPV-803DQ50	
	4 way valve		Y3S	VT3101C	—	
			Y7S	—	VHV-0404	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Pressure switch (STD2)		S3PH	—		
	Fusible plug		—	FPGH-3D 70 to 75°C		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R3T	3.5 to 400Ω	—	
			R31T	—	3.5 to 400Ω	
		For discharge pipe (STD.1)	R32T	—	3.5 to 400Ω	
		For discharge pipe (STD.2)	R33T	—		
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	—	3.5 to 360Ω	
		For equalizing pipe	R7T	—	3.5 to 360Ω	
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Item	Name		Symbol	Model		
				RXY12MYL	RXY14MYL	RXY16MYL
Compressor	Inverter	Type	M1C	JT1FBVDKTYR	JT1FBVDKTYR	JT1FBVDKTYR
		Output		4.2kW	2.0kW	3.0kW
	STD.1	Type	M2C	JT170FBKYH	JT170FBKYH	JT170FBKYH
		Output		4.5kW	4.5kW	4.5kW
	STD.2	Type	M3C	—	JT170FBKYH	JT170FBKYH
		Output			4.5kW	4.5kW
	Crankcase heater (INV)		E1HC	200V 33W		
	Crankcase heater (STD.1)		E2HC	200V 33W		
	Crankcase heater (STD.2)		E3HC	—	200V 33W	
	OC protection device for STD compressor		—	13A		
Fan motor	Motor		M1F	0.75kw		
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	0pls		
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	PI control		
		Heating		0pls		
	Solenoid valve (Hot gas)		Y1S	TEV1620DQ2		
	Solenoid valve (External multi oil)		Y2S	TEV1620DQ2		
	Solenoid valve (Receiver gas charge)		Y3S	TEV1620DQ2		
	Solenoid valve (Receiver gas discharge)		Y4S	VPV-603D		
	Solenoid valve (Non-operating unit gas discharge)		Y5S	TEV1620DQ2		
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	VPV-803DQ50		
	4 way valve		Y7S	VHV0404	VT60100	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD2)		S3PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Fusible plug		—	FPGH-3D 70 to 75°c		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R31T	3.5 to 400Ω		
		For discharge pipe (STD.1)	R32T	3.5 to 400Ω		
		For discharge pipe (STD.2)	R33T	—	3.5 to 400Ω	
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	3.5 to 360Ω		
		For equalizing pipe	R7T	3.5 to 360Ω		
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

3.1.3 RXY5~16MTL

Item	Name		Symbol	Model		
				RXY5MTL	RXY8MTL	RXY10MTL
Compressor	Inverter	Type	M1C	JT100FBVD	JT100FBVDKT	JT100FBVDKT
		Output		3.2kW	1.2kW	2.7kW
	STD.1	Type	M2C	—	JT170FBK	JT170FBK
		Output			4.5kW	4.5kW
	STD.2	Type	M3C	—		
		Output				
	Crankcase heater (INV)		E1HC	200V 33W		
	Crankcase heater (STD.1)		E2HC	—	200V 33W	
	Crankcase heater (STD.2)		E3HC	—		
	OC protection device for STD compressor		—	—	25A	
Fan motor	Motor		M1F	0.35kw	0.80kw	
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	2000pls	0pls	
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	—	PI control	
		Heating			0pls	
	Solenoid valve (Hot gas)		Y1S	TEV1620DQ2	VPV-603D	
	Solenoid valve (External multi oil)		Y2S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas charge)		Y3S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas discharge)		Y4S	—	VPV-603D	
			Y2S	TEV1620DQ2	—	
	Solenoid valve (Injection)		Y4S	TEV1620DQ2	—	
	Solenoid valve (Non-operating unit gas discharge)		Y5S	—	TEV1620DQ2	
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	—	VPV-803DQ50	
	4 way valve		Y3S	VT3101C	—	
			Y7S	—	VHV-0404	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Pressure switch (STD2)		S3PH	—		
	Fusible plug		—	FPGH-3D 70 to 75°C		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R3T	3.5 to 400Ω	—	
			R31T	—	3.5 to 400Ω	
		For discharge pipe (STD.1)	R32T	—	3.5 to 400Ω	
		For discharge pipe (STD.2)	R33T	—		
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	—	3.5 to 360Ω	
		For equalizing pipe	R7T	—	3.5 to 360Ω	
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Item	Name		Symbol	Model		
				RXY12MTL	RXY14MTL	RXY16MTL
Compressor	Inverter	Type	M1C	JT100FBVDKT	JT100FBVDKT	JT100FBVDKT
		Output		4.2kW	2.0kW	3.0kW
	STD.1	Type	M2C	JT170FBK	JT170FBK	JT170FBK
		Output		4.5kW	4.5kW	4.5kW
	STD.2	Type	M3C	—	JT170FBK	JT170FBK
		Output			4.5kW	4.5kW
	Crankcase heater (INV)		E1HC	200V 33W		
	Crankcase heater (STD.1)		E2HC	200V 33W		
	Crankcase heater (STD.2)		E3HC	—	200V 33W	
	OC protection device for STD compressor		—	25A		
Fan motor	Motor		M1F	0.80kw		
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	0pls		
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	PI control		
		Heating		0pls		
	Solenoid valve (Hot gas)		Y1S	VPV-603D	TEV1620DQ2	
	Solenoid valve (External multi oil)		Y2S	TEV1620DQ2		
	Solenoid valve (Receiver gas charge)		Y3S	TEV1620DQ2		
	Solenoid valve (Receiver gas discharge)		Y4S	VPV-603D		
	Solenoid valve (Non-operating unit gas discharge)		Y5S	TEV1620DQ2		
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	VPV-803DQ50		
	4 way valve		Y7S	VHV-0404	VT60100	
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD2)		S3PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Fusible plug		—	FPGH-3D 70 to 75°c		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R31T	3.5 to 400Ω		
		For discharge pipe (STD.1)	R32T	3.5 to 400Ω		
		For discharge pipe (STD.2)	R33T	—	3.5 to 400Ω	
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	3.5 to 360Ω		
		For equalizing pipe	R7T	3.5 to 360Ω		
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

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3.1.4 RX5~16MY1

Item	Name			Symbol	Model		
					RX5MY1	RX8MY1	RX10MY1
Compressor	Inverter		Type	M1C	JT1FBVDKYR	JT1FBVDKTYR	JT1FBVDKTYR
			Output		3.2kW	1.2kW	2.7kW
	STD.1		Type	M2C	—	JT170FBKYE	JT170FBKYE
			Output			4.5kW	4.5kW
	STD.2		Type	M3C	—		
			Output				
	Crankcase heater (INV)			E1HC	240V 33W		
	Crankcase heater (STD.1)			E2HC	—	240V 33W	
	Crankcase heater (STD.2)			E3HC	—		
	OC protection device for STD compressor			—	—	13A	
Fan motor	Motor			M1F	0.35kw	0.75kw	
Functional parts	Electronic expansion valve (Main)		Cooling	Y1E	1400pls	0pls	
			Heating		PI control		
	Electronic expansion valve (Subcool)		Cooling	Y2E	—	PI control	
			Heating			0pls	
	Solenoid valve (Hot gas)			Y1S	TEV1620DQ2	VPV-603D	
	Solenoid valve (External multi oil)			Y2S	—	TEV1620DQ2	
	Solenoid valve (Receiver gas charge)			Y3S	—	TEV1620DQ2	
				Y2S	TEV1620DQ2	—	
	Solenoid valve (Receiver gas discharge)			Y4S	—	VPV-603D	
	Solenoid valve (Injection)			Y4S	TEV1620DQ2	—	
	Solenoid valve (Non-operating unit gas discharge)			Y5S	—	TEV1620DQ2	
	Solenoid valve (Non-operating unit liquid pipe close)			Y6S	—	VPV-803DQ50	
	4 way valve			Y7S	—	—	
Pressure-related parts	Pressure switch (INV)			S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)			S2PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Pressure switch (STD2)			S3PH	—		
	Fusible plug			—	FPGH-3D 70 to 75°C		
	Pressure sensor (HP)			S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)			S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin		R1T	3.5 to 360Ω		
	Main PCB	For outdoor air		R1T	3.5 to 360Ω		
		For suction pipe		R2T	3.5 to 360Ω		
		For discharge pipe (INV)		R3T	3.5 to 400Ω	—	
				R31T	—	3.5 to 400Ω	
		For discharge pipe (STD.1)		R32T	—	3.5 to 400Ω	
		For discharge pipe (STD.2)		R33T	—		
		For heat exchanger		R4T	3.5 to 360Ω		
		For subcooling heat exchanger		R5T	3.5 to 360Ω		
		For receiver liquid pipe		R6T	—	3.5 to 360Ω	
		For equalizing pipe		R7T	—	3.5 to 360Ω	
Others	Fuse (A1P)			F1, 2U	250VAC 10A		
	Fuse (A4P)			F1U	250VAC 5A		

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Item	Name		Symbol	Model		
				RX12MY1	RX14MY1	RX16MY1
Compressor	Inverter	Type	M1C	JT1FBVDKTYR	JT1FBVDKTYR	JT1FBVDKTYR
		Output		4.2kW	2.0kW	3.0kW
	STD.1	Type	M2C	JT170FBKYE	JT170FBKYE	JT170FBKYE
		Output		4.5kW	4.5kW	4.5kW
	STD.2	Type	M3C	—	JT170FBKYE	JT170FBKYE
		Output			4.5kW	4.5kW
	Crankcase heater (INV)		E1HC	240V 33W		
	Crankcase heater (STD.1)		E2HC	240V 33W		
	Crankcase heater (STD.2)		E3HC	—	240V 33W	
	OC protection device for STD compressor		—	13A		
Fan motor	Motor		M1F	0.75kw		
Functional parts	Electronic expansion valve (Main)	Cooling	Y1E	0pls		
		Heating		PI control		
	Electronic expansion valve (Subcool)	Cooling	Y2E	PI control		
		Heating		0pls		
	Solenoid valve (Hot gas)		Y1S	VPV-603D	TEV1620DQ2	
	Solenoid valve (External multi oil)		Y2S	TEV1620DQ2		
	Solenoid valve (Receiver gas charge)		Y3S	TEV1620DQ2		
	Solenoid valve (Receiver gas discharge)		Y4S	VPV-603D		
	Solenoid valve (Non-operating unit gas discharge)		Y5S	TEV1620DQ2		
	Solenoid valve (Non-operating unit liquid pipe close)		Y6S	VPV-803DQ50		
	4 way valve		Y7S	—		
Pressure-related parts	Pressure switch (INV)		S1PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD1)		S2PH	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa		
	Pressure switch (STD2)		S3PH	—	PS80 ON : 2.7+0/-0.1MPa OFF : 1.9±0.15MPa	
	Fusible plug		—	FPGH-3D 70 to 75°c		
	Pressure sensor (HP)		S1NPH	PS8050A 0 to 3.33MPa		
	Pressure sensor (LP)		S1NPL	PS8050A -0.05 to 0.98MPa		
Thermistor	INV PCB	For fin	R1T	3.5 to 360Ω		
	Main PCB	For outdoor air	R1T	3.5 to 360Ω		
		For suction pipe	R2T	3.5 to 360Ω		
		For discharge pipe (INV)	R31T	3.5 to 400Ω		
		For discharge pipe (STD.1)	R32T	3.5 to 400Ω		
		For discharge pipe (STD.2)	R33T	—	3.5 to 400Ω	
		For heat exchanger	R4T	3.5 to 360Ω		
		For subcooling heat exchanger	R5T	3.5 to 360Ω		
		For receiver liquid pipe	R6T	3.5 to 360Ω		
		For equalizing pipe	R7T	3.5 to 360Ω		
Others	Fuse (A1P)		F1, 2U	250VAC 10A		
	Fuse (A4P)		F1U	250VAC 5A		

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3.2 Indoor Side

3.2.1 Indoor Unit

Parts Name		Symbol	Model								Remark
			FXF25 LVE	FXF32 LVE	FXF40 LVE	FXF50 LVE	FXF63 LVE	FXF80 LVE	FXF100 LVE	FXF125 LVE	
Remote Controller	Wired Remote Controller		BRC1A61								Option
	Wireless Remote Controller		H/P BRC7E61W, C/O BRC7E65								Option
Motors	Fan Motor	M1F	DC380V 30W 8P						DC 380V 120W 8P		
	Drain Pump	M1P	AC220-240V (50Hz) AC220V (60Hz) PLD-12230DM Thermal Fuse 145°C								
	Swing Motor	M1S	MP35HCA[3P007482-1] Stepping Motor DC16V								
Thermistors	Thermistor (Suction Air)	R1T	In PCB A4P or wired remote controller								
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-5 ϕ8 L1000 20kΩ (25°C)								
	Thermistor (Heat Exchanger)	R2T	ST8602A-5 ϕ6 L1000 20kΩ (25°C)								
Others	Float Switch	S1L	FS-0211B								
	Fuse	F1U	250V 5A ϕ5.2								
	Thermal Fuse	TFu	—								
	Transformer	T1R	—								

Parts Name		Symbol	Model								Remark
			FXC 20LVE	FXC 25LVE	FXC 32LVE	FXC 40LVE	FXC 50LVE	FXC 63LVE	FXC 80LVE	FXC 125LVE	
Remote Controller	Wired Remote Controller		BRC1A61								Option
	Wireless Remote Controller		H/P BRC7C62, C/O BRC7C67								Option
Motors	Fan Motor	M1F	AC 220~240V 50Hz								
			1ϕ10W	1ϕ15W		1ϕ25W		1ϕ30W	1ϕ50W	1ϕ85W	
			Thermal Fuse 152°C Thermal protector 130°C			—		Thermal protector 135°C : OFF 87°C : ON			
	Drain Pump	M1P	AC220-240V (50Hz) AC220V (60Hz) PJV-1403 Thermal Fuse 169°C								
	Swing Motor	M1S	MT8-L[3PA07509-1] AC200~240V								
Thermistors	Thermistor (Suction Air)	R1T	ST8601-6 ϕ4 L1250 20kΩ (25°C)								
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-6 ϕ8 L1250 20kΩ (25°C)								
	Thermistor (Heat Exchanger)	R2T	ST8602A-5 ϕ6 L1000 20kΩ (25°C)								
Others	Float Switch	S1L	FS-0211B								
	Fuse	F1U	250V 5A ϕ5.2								
	Transformer	T1R	TR22H21R8								

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Parts Name		Symbol	Model				Remark
			FXK 25LVE	FXK 32LVE	FXK 40LVE	FXK 63LVE	
Remote Controller	Wired Remote Controller		BRC1A61				Option
	Wireless Remote Controller		H/P BRC4C61, C/O BRC4C63				
Motors	Fan Motor	M1F	AC 220~240V 50Hz				
			1φ15W 4P		1φ20W 4P	1φ45W 4P	
			Thermal Fuse 146°C		Thermal protector 120°C : OFF 105°C : ON		
	Drain Pump	M1P	AC 220-240V (50Hz) PLD-12200DM Thermal Fuse 145°C				
	Swing Motor	M1S	MP8-L [3PA07312-1] AC200~240V				
Thermistors	Thermistor (Suction Air)	R1T	ST8601-13 φ4 L630 20kΩ (25°C)				
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-7 φ8 L1600 20kΩ (25°C)				
	Thermistor (Heat Exchanger)	R2T	ST8602A-7 φ6 L1600 20kΩ (25°C)				
Others	Float Switch	S1L	FS-0211B				
	Fuse	F1U	250V 5A φ5.2				
	Transformer	T1R	TR22H21R8				

Parts Name		Symbol	Model						Remark
			FXYD20 KAVE	FXYD25 KAVE	FXYD32 KAVE	FXYD40 KAVE	FXYD50 KAVE	FXYD63 KAVE	
Remote Controller	Wired Remote Controller		BRC1A62						Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64						Option
Motors	Fan Motor	M1F	AC 220~240V/220V 50/60Hz						
			1φ45W				1φ65W		
			Thermal Protector 135°C						
Thermistors	Thermistor (Suction Air)	R1T	ST8601-2 φ4 L400 20kΩ (25°C)						
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-2 φ8 L400 20kΩ (25°C)						
	Thermistor (Heat Exchanger)	R2T	ST8602-2 φ6 L400 20kΩ (25°C)						
Others	Float Switch	33H	FS-0211						
	Fuse	F1U	250V 10A φ5.2						
	Transformer	T1R	TR22M21R8						

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Parts Name		Symbol	Model									Remark
			FXS 20LVE	FXS 25LVE	FXS 32LVE	FXS 40LVE	FXS 50LVE	FXS 63LVE	FXS 80LVE	FXS 100LVE	FXS 125LVE	
Remote Controller	Wired Remote Controller		BRC1A62									Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64									
Motors	Fan Motor	M1F	AC 220~240V 50Hz									
			1φ50W			1φ65W	1φ85W	1φ125W	1φ225W			
			Thermal Fuse 152°C						Thermal protector 135°C : OFF 87°C : ON			
	Drain Pump	M1P	AC220-240V (50Hz) PJV-1403 Thermal Fuse 169°C									
Thermistors	Thermistor (Suction Air)	R1T	ST8601-4 φ4 L800 20kΩ (25°C)									
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-7 φ8 L1600 20kΩ (25°C)									
	Thermistor (Heat Exchanger)	R2T	ST8602A-6 φ6 L1250 20kΩ (25°C)									
Others	Float Switch	S1L	FS-0211B									
	Fuse	F1U	250V 5A φ5.2									
	Transformer	T1R	TR22H21R8									

Parts Name		Symbol	Model									Remark
			FXYB 20KV1	FXYB 25KV1	FXYB 32KV1	FXYB 40KV1	FXYB 50KV1	FXYB 63KV1	FXYB 80KV1	FXYB 100KV1	FXYB 125KV1	
Remote Controller	Wired Remote Controller		BRC1A62									Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64									Option
Motors	Fan Motor	M1F	AC 220~240V 50Hz									
			1φ50W			1φ65W	1φ85W	1φ125W	1φ135W		1φ225W	
			Thermal Fuse 152°C									
	Motor for Drain Pump	M1P	AC220-240V Thermal Fuse 169°C									
Thermistors	Thermistor (Suction Air)	R1T	ST8601-4 φ4 L800 20kΩ (25°C)									
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-7 φ8 L1600 20kΩ (25°C)									
	Thermistor (Heat Exchanger)	R2T	ST8602-6 φ6 L1250 20kΩ (25°C)									
Others	Float Switch	33H	FS-0211									
	Fuse	F1U	250V 10A φ5.2									
	Transformer	T1R	TR22M21R8									

Parts Name		Symbol	Model								Remark
			FXM 40LVE	FXM 50LVE	FXM 63LVE	FXM 80LVE	FXM 100LVE	FXM 125LVE	FXM 200LVE	FXM 250LVE	
Remote Controller	Wired Remote Controller		BRC1A62								Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64								
Motors	Fan Motor	M1F	AC 220~240V 50Hz								
			1φ100W			1φ160W	1φ270W	1φ430W	1φ380W×2		
			Thermal protector 135°C : OFF 87°C : ON								
	Capacitor for Fan Motor	C1R	5μF-400V			7μF 400V	10μF 400V	8μF 400V	10+12μF 400V	12+12μF 400V	
Thermistors	Thermistor (Suction Air)	R1T	ST8601A-5 φ4 L1000 20kΩ (25°C)						ST8601A-13 φ4 L630		
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605A-4 φ8 L800 20kΩ (25°C)						ST8605A-5 φ8 L1000		
	Thermistor (Heat Exchanger)	R2T	ST8602A-4 φ6 L800 20kΩ (25°C)						ST8602A-6 φ6 L1250		
Others	Float switch	S1L	OPT10N								
	Fuse	F1U	250V 10A φ5.2								
	Transformer	T1R	TR22H21R8								

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Parts Name		Symbol	Model			Remark
			FXH 32LVE	FXH 63LVE	FXH 100LVE	
Remote Controller	Wired Remote Controller		BRC1A61			Option
	Wireless Controller		H/P BRC7E63W, C/O BRC7E66			
Motors	Fan Motor	M1F	AC 220~240V/220V 50Hz/60Hz			
			1φ63W		1φ130W	
			Thermal protector 130°C : OFF 80°C : ON			
	Capacitor for Fan Motor	C1R	3.0μF-400V		9.0μF-400V	
	Swing Motor	M1S	MT8-L[3P058751-1] AC200~240V			
Thermistors	Thermistor (Suction Air)	R1T	ST8601A-1 φ4 L250 20kΩ (25°C)			
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-6 φ8 L = 1250 20kΩ (25°C)			
	Thermistor (Heat Exchanger)	R2T	ST8602A-6 φ6 L = 1250 20kΩ (25°C)			
Others	Fuse	F1U	250V 5A φ5.2			
	Transformer	T1R	TR22H21R8			

Parts Name		Symbol	Model						Remark
			FXA 20LVE	FXA 25LVE	FXA 32LVE	FXA 40LVE	FXA 50LVE	FXA 63LVE	
Remote Controller	Wired Remote Controller		BRC1A61						Option
	Wireless Remote Controller		H/P BRC7E618, C/O BRC7E619						Option
Motors	Fan Motor	M1F	AC 220~240V 50Hz						
			1φ40W			1φ43W			
			—						
	Swing Motor	M1S	MP24[3SB40333-1] AC200~240V			MSFBC20C21 [3SB40550-1] AC200~240V			
Thermistors	Thermistor (Suction Air)	R1T	ST8601-2 φ4 L400 20kΩ (25°C)						
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-2 φ8 L400 20kΩ (25°C)						
	Thermistor (for Heat Exchanger)	R2T	ST8602-2 φ6 L400 20kΩ (25°C)						
Others	Float Switch	S1L	OPTION						
	Fuse	F1U	250V 5A φ5.2						

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Parts Name		Symbol	Model						Remark
			FXL 20LVE	FXL 25LVE	FXL 32LVE	FXL 40LVE	FXL 50LVE	FXL 63LVE	
Remote Controller	Wired Remote Controller		BRC1A62						Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64						
Motors	Fan Motor	M1F	AC 220~240V 50Hz						
			1φ15W		1φ25W		1φ35W		
			Thermal protector 135°C : OFF 120°C : ON						
	Capacitor for Fan Motor	C1R	1.0μF-400V		0.5μF-400V	1.0μF-400V	1.5μF-400V	2.0μF-400V	
Thermistors	Thermistor (Suction Air)	R1T	ST8601-6 φ4 L1250 20kΩ (25°C)						
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-9 φ8 L2500 20kΩ (25°C)						
	Thermistor (for Heat Exchanger)	R2T	ST8602A-9 φ6 L2500 20kΩ (25°C)						
Others	Fuse	F1U	AC250V 10A						
	Transformer	T1R	TR22H21R8						

Parts Name		Symbol	Model						Remark
			FXN 20LVE	FXN 25LVE	FXN 32LVE	FXN 40LVE	FXN 50LVE	FXN 63LVE	
Remote Controller	Wired Remote Controller		BRC1A62						Option
	Wireless Remote Controller		H/P BRC4C62, C/O BRC4C64						
Motors	Fan Motor	M1F	AC 220~240V 50Hz						
			1φ15W		1φ25W		1φ35W		
			Thermal protector 135°C : OFF 120°C : ON						
	Capacitor for Fan Motor	C1R	1.0μF-400V		0.5μF-400V	1.0μF-400V	1.5μF-400V	2.0μF-400V	
Thermistors	Thermistor (Suction Air)	R1T	ST8601-6 φ4 L1250 20kΩ (25°C)						
	Thermistor (for Heat Exchanger High Temp.)	R3T	ST8605-9 φ8 L2500 20kΩ (25°C)						
	Thermistor (for Heat Exchanger)	R2T	ST8602A-9 φ6 L2500 20kΩ (25°C)						
Others	Fuse	F1U	AC250V 10A						
	Transformer	T1R	TR22H21R8						

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4. Option List

4.1 Option List of Controllers

Operation Control System Optional Accessories

No.	Item \ Type			FXC-L	FXF-L	FXK-L	FXYD-KA	FXS-L	FXYB-K	FXM-L	FXH-L	FXA-L	FXL-L FXN-L
1	Remote controller	Wireless	H/P	BRC7C62	BRC7E61W	BRC4C61	BRC4C62				BRC7E63W	BRC7E618	BRC4C62
			C/O	BRC7C67	BRC7E65	BRC4C63	BRC4C64				BRC7E66	BRC7E619	BRC4C64
		Wired		BRC1A61			BRC1A62				BRC1A61		BRC1A62
2	Set back time clock			BRC15A61									
3	Simplified remote controller			—			BRC2A51				—		BRC2A51
4	Remote controller for hotel use			—			BRC3A61				—		BRC3A61
5	Adaptor for wiring			★KRP1B61	★KRP1B59	KRP1B61					KRP1B3	—	KRP1B61
6-1	Wiring adaptor for electrical appendices (1)			★KRP2A61	★KRP2A62	KRP2A61					★KRP2A62	★KRP2A61	KRP2A61
6-2	Wiring adaptor for electrical appendices (2)			★KRP4A51	★KRP4A53	KRP4A51					★KRP4A52	★KRP4A51	KRP4A51
7	Remote sensor			KRCS01-1	—	KRCS01-1							
8	Installation box for adaptor PCB			Note 2, 3 KRP1B96	Note 2, 3 KRP1D98	—	Note 4 KRP1B100	Note 4 KRP4A91	—		Note 3 KRP1C93	Note 2, 3 KRP4A93	—
9	Central remote controller			DCS302B61									
9-1	Electrical box with earth terminal (3 blocks)			KJB311A									
10	Unified on/off controller			DCS301B61									
10-1	Electrical box with earth terminal (2 blocks)			KJB212A									
10-2	Noise filter (for electromagnetic interface use only)			KEK26-1									
11	Schedule timer			DST301B61									
12	External control adaptor for outdoor unit (Must be installed on indoor units)			★ DTA104A61	★ DTA104A62	DTA104A61					★ DTA104A62	★ DTA104A61	DTA104A61

Note

1. Installation box (No.8) is necessary for each adaptor marked H.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Installation box (No. 8) is necessary for second adaptor.

Various PC Boards

No.	Part name	Model No.	Function
1	Adaptor for wiring	KRP1B61 KRP1B59 KRP1B3	■ PC board when equipped with auxiliary electric heater in the indoor unit.
2	DIII-NET Expander Adaptor	DTA109A51	■ Up to 1024 units can be centrally controlled in 64 different groups. ■ Wiring restrictions (max. length: 1000m, total wiring length: 2000m, max. number of branches: 16) apply to each adaptor.

System Configuration

No.	Part name	Model No.	Function
1	Central remote controller	DCS302B61	■ Up to 64 groups of indoor units (128 units)can be connected, and ON/OFF, temperature setting and monitoring can be accomplished individually or simultaneously. Connectable up to “2” controllers in one system.
2	Unified ON/OFF controller	DCS301B61	■ Up to 16 groups of indoor units (128 units) can be turned, ON/OFF individually or simultaneously, and operation and malfunction can be displayed. Can be used in combination with up to 8 controllers.
3	Schedule timer	DST301B61	■ Programmed time weekly schedule can be controlled by unified control for up to 64 groups of indoor units (128 units). Can turn units ON/OFF twice per day.
4	Unification adaptor for computerized control	★DCS302A52	■ Interface between the central monitoring board and central control units
5	Interface adaptor for SkyAir-series	★DTA102A52	■ Adaptors required to connect products other than those of the VRV System to the high-speed DIII-NET communication system adopted for the VRV System. ■ To use any of the above optional controllers, an appropriate adaptor must be installed on the product unit to be controlled.
6	Central control adaptor kit	★DTA107A55	
7	Wiring adaptor for other air-conditioner	★DTA103A51	
8	DIII-NET Expander adaptor	DTA109A51	■ Up to 1,024 units can be centrally controlled in 64 different groups. ■ Wiring restrictions (max. length : 1,000m, total wiring length : 2,000m, max. number of branches : 16) apply to each adaptor.
9	Mounting plate	KRP4A92	■ Fixing plate for DTA109A51

Note

Installation box for H adaptor must be procured on site.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Building management system

No.	Part name			Model No.	Function
1	intelligent Touch Controller		Without PPD	DCS601B51	Air-Conditioning management system that can be controlled by a compact all-in-one unit. PPD: Power Proportional Distribution function New Functions: • Auto cool/heat change-over •Temperature limitation • Multilingual (English, French, German, Spanish, Italian, or Chinese)
			With PPD	DCS601B51 DCS002B51	
1-1	Electrical box with earth terminal (4blocks)			KJB411A	■ Wall embedded switch box.
2	intelligent Manager ECO 21	Number of units to be connected	128 units	DAM602A52	Air conditioner management system (featuring minimized engineering) that can be controlled by personal computers.
			192 units	DAM602A53	
			256 units	DAM602A51	
			512 units	DAM602A51x2	
			768 units	DAM602A51x3	
			1024 units	DAM602A51x4	
3	Communication Line	BACnet Gateway		DMS502A51	Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through BACnet communications.
4		DMS-IF (for use in LON WORKS® networks)		DMS504B51	Interface unit to allow communications between VRV and BMS. Operation and monitoring of air-conditioning systems through LON WORKS® communication.
5		Optional DIII board		DAM411A1	Expansion kit, installed on the BACnet Gateway (DMS502A51), to provide 3 more DIII-NET communication ports. Not usable independently.
6		Optional Di board		DAM412A1	Expansion kit, installed on the BACnet Gateway (DMS502A51), to provide 16 more wattmeter pulse input points. Not usable independently.
7		Optional DIII Ai unit		DAM101A51	Analog input for "sliding temperature" function (to reduce cold shock).
8	Contact/analog signal	Parallel interface	Basic unit	DPF201A51	■ Enables ON/OFF command, operation and display of malfunction; can be used in combination with up to 4 units.
9			Temperature measurement units	DPF201A52	■ Enables temperature measurement output for 4 groups; 0-5VDC.
10			Temperature setting units	DPF201A53	■ Enables temperature setting input for 16 groups; 0-5VDC.
11		Unification adaptor for computerized control		DCS302A52	■ Interface between the central monitoring board and central control units
12-1		Wiring adaptor for electrical appendices (1)		KRP2A61, 62	■ Simultaneously controls air-conditioning control computer and up to 64 groups of indoor units.
12-2		Wiring adaptor for electrical appendices (2)		KRP4A51-53	■ To control the group of indoor units collectively, which are connected by the transmission wiring of remote controller.
13		External control adaptor for outdoor unit (Must be installed on indoor units.)		DTA104A61, 62	■ Cooling/Heating mode change over. Demand control and Low noise control are available between the plural outdoor units.

* LONWORKS® is a registered trade mark of Echelon Corporation.

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

4.2 Option Lists (Outdoor Unit)

RXY5 ~ 16MY1, YL, TL (E), RX5 ~ 10MY1 (E)

Optional accessories		RXY5MY1, YL, TL RX5MY1	RXY5MY1E, YLE, TLE RX5MY1E	RXY8MY1, YL, TL RXY10MY1, YL, TL RX8MY1 RX10MY1	RXY8MY1E, YLE, TLE RXY10MY1E, YLE, TLE RX8MY1E RX10MY1E	RXY12MY1, YL, TL RXY14MY1, YL, TL RXY16MY1, YL, TL RX12MY1 RX14MY1 RX16MY1	RXY12MY1E, YLE, TLE RXY14MY1E, YLE, TLE RXY16MY1E, YLE, TLE RX12MY1E RX14MY1E RX16MY1E
Cool/Heat Selector		KRC19-26A (For Heat Pump)					
Fixing box		KJB111A					
Distributive Piping	Refnet header	KHRJ26K11H, KHRJ26K17H (MAX. 4 branch) (MAX. 8 branch)		KHRJ26K11H, KHRJ26K17H (MAX. 4 branch) (MAX. 8 branch) KHRJ26K18H, KHRJ26K37H (MAX. 6 branch) (MAX. 8 branch)		KHRJ26K11H, KHRJ26K17H, (MAX. 4 branch) (MAX. 8 branch) KHRJ26K18H (MAX. 6 branch) KHRJ26K37H, KHRJ26K40H (MAX. 8 branch) (MAX. 8 branch)	
	Refnet joint	KHRJ26K11T, KHRJ26K17T		KHRJ26K11T, KHRJ26K17T KHRJ26K18T, KHRJ26K37T		KHRJ26K11T, KHRJ26K17T, KHRJ26K18T, KHRJ26K37T, KHRJ26K40T	
Pipe size reducer		—				KHRJ26K40TP, KHRJ26K40HP	
Central drain pan kit		KWC26B160	KWC26B160E	KWC26B280	KWC26B280E	KWC26B450	KWC26B450E

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3D041582

RXY18 ~ 32MY1, YL, TL (E), RX18 ~ 32MY1 (E)

Optional accessories		RXY18MY1, YL, TL RXY20MY1, YL, TL RX18MY1 RX20MY1	RXY18MY1E, YLE, TLE RXY20MY1E, YLE, TLE RX18MY1E RX20MY1E	RXY22MY1, YL, TL RX22MY1	RXY22MY1E, YLE, TLE RX22MY1E	RXY24MY1, YL, TL RXY26MY1, YL, TL RX24MY1 RX26MY1	RXY24MY1E, YLE, TLE RXY26MY1E, YLE, TLE RX24MY1E RX26MY1E	RXY28MY1, YL, TL RXY30MY1, YL, TL RXY32MY1, YL, TL RX28MY1 RX30MY1 RX32MY1	RXY28MY1E, YLE, TLE RXY30MY1E, YLE, TLE RXY32MY1E, YLE, TLE RX28MY1E RX30MY1E RX32MY1E
Cool/Heat Selector		KRC19-26A (For Heat Pump)							
Fixing box		KJB111A							
Distributive Piping	Refnet header	KHRJ26K11H, KHRJ26K17H, KHRJ26K18H, KHRJ26K37H, KHRJ26K40H (MAX. 4 branch) (MAX. 8 branch) (MAX. 6 branch) (MAX. 8 branch) (MAX. 8 branch)							
	Refnet joint	KHRJ26K11T, KHRJ26K17T, KHRJ26K18T, KHRJ26K37T, KHRJ26K40T				KHRJ26K11T, KHRJ26K17T, KHRJ26K18T, KHRJ26K37T, KHRJ26K40T, KHRJ26K75T			
	Outdoor unit multi connection piping kit	BHF22M90							
Pipe size reducer		KHRJ26K40TP, KHRJ26K40HP				KHRJ26K40TP, KHRJ26K75TP, KHRJ26K40HP			
Central drain pan kit		KWC26B280×2	KWC26B280E×2	KWC26B280 KWC26B450	KWC26B280E KWC26B450E	KWC26B280 KWC26B450	KWC26B280E KWC26B450E	KWC26B450×2	KWC26B450E×2

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RXY34 ~ 48MY1, YL, TL (E), RX34 ~ 48MY1 (E)

Optional accessories		RXY34MY1, YL, TL RX34MY1	RXY34MY1E, YLE, TLE RX34MY1E	RXY36MY1, YL, TL RX36MY1	RXY36MY1E, YLE, TLE RX36MY1E	RXY38MY1, YL, TL RXY40MY1, YL, TL RXY42MY1, YL, TL RX38MY1 RX40MY1 RX42MY1	RXY38MY1E, YLE, TLE RXY40MY1E, YLE, TLE RXY42MY1E, YLE, TLE RX38MY1E RX40MY1E RX42MY1E	RXY44MY1, YL, TL RXY46MY1, YL, TL RXY48MY1, YL, TL RX44MY1 RX46MY1 RX48MY1	RXY44MY1E, YLE, TLE RXY46MY1E, YLE, TLE RXY48MY1E, YLE, TLE RX44MY1E RX46MY1E RX48MY1E
Cool/Heat Selector		KRC19-26A (For Heat Pump)							
Fixing box		KJB111A							
Distributive Piping	Refnet header	KHRJ26K11H, KHRJ26K17H, KHRJ26K18H, KHRJ26K37H, KHRJ26K40H (MAX. 4 branch) (MAX. 8 branch) (MAX. 6 branch) (MAX. 8 branch) (MAX. 8 branch)							
	Refnet joint	KHRJ26K11T, KHRJ26K17T, KHRJ26K18T, KHRJ26K37T, KHRJ26K40T, KHRJ26K75T							
	Outdoor unit multi connection piping kit	BHF22M135							
Pipe size reducer		KHRJ26K40TP, KHRJ26K75TP KHRJ26K40HP		KHRJ26K40TP, KHRJ26K75TP, KHRJ26K76TP, KHRJ26K40HP					
Central drain pan kit		KWC26B280×2 KWC26B450	KWC26B280E×2 KWC26B450E	KWC26B280×2 KWC26B450	KWC26B280E×2 KWC26B450E	KWC26B280 KWC26B450×2	KWC26B280E KWC26B450E×2	KWC26B450×3	KWC26B450E×3

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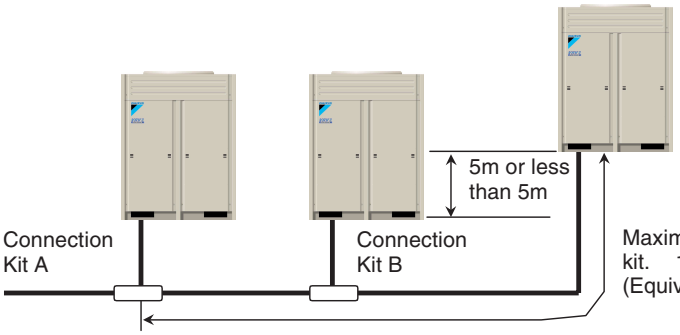
5. Piping Installation Point

5.1 Piping Installation Point


5m or less than 5m
Connection Kit A
Connection Kit B
Maximum length from a connection kit. 10m or less from first branch. (Equivalent Piping Length 13m)

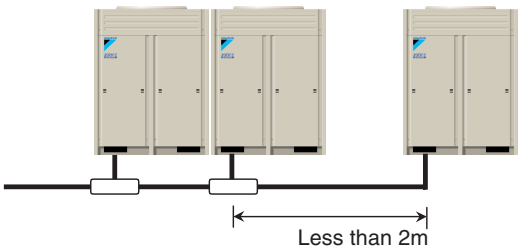
Since there is a possibility that oil may be collected on a stop machine side, install piping between outdoor units to go to level or go up to an outdoor unit, and to make a slope.

(V3036)

The projection part between multi connection piping kits

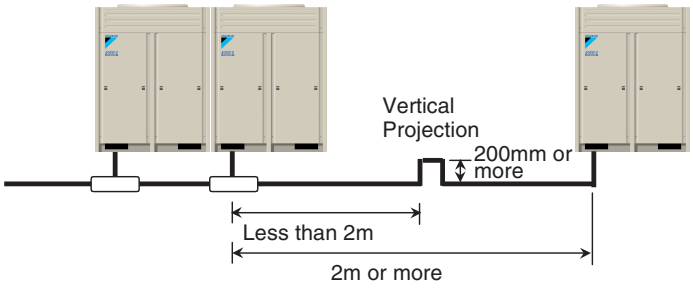
When the piping length between the multi connection kits or between multi connection kit and outdoor unit is 2m or more, prepare a vertical projection part (200mm or more as shown below) only on the gas pipe line location less than 2m from multi connection kit.

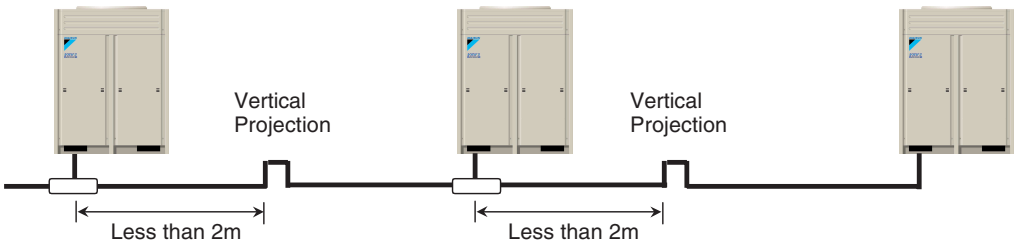
In the case of 2m or less



(V3037)

In the case of 2m or more



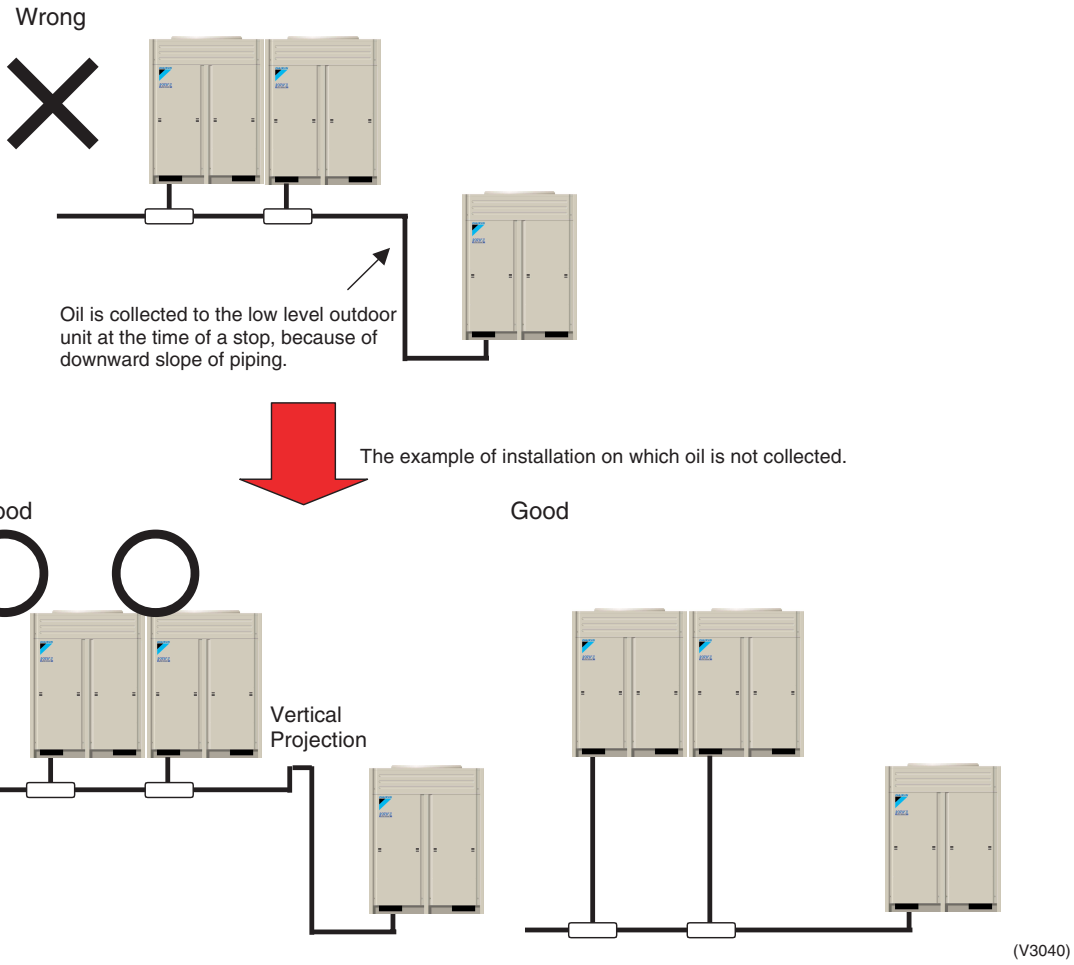


(V3038)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

5.2 The Example of A Wrong Pattern

(V3039)


Wrong
Oil is collected to the low level outdoor unit at the time of a stop, because of downward slope of piping.
The example of installation on which oil is not collected.
Good
Vertical Projection
Good

(V3040)

Max.allowable Piping Length	Outdoor Unit - Multi Connection Piping Kit	Actual piping length 10m or less, equivalent length 13m or less
	Multi Connection Piping Kit - Indoor Unit	Actual piping length 150m or less, equivalent length 175m or less, the total extension 300m or less
	REFNET Joint - Indoor Unit	Actual piping length 40m or less
Allowable Level Difference	Outdoor Unit - Outdoor Unit	5m or less
	Outdoor Unit - Indoor Unit	50m or less (when an outdoor unit is lower than indoor units : 40m or less)
	Indoor Unit - Indoor Unit	15m or less

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6. Selection of Pipe Size, Joints and Header

6.1 RXY5MY1, RXY8MY1, RXY10MY1, RXY12MY1, RXY14MY1, RXY16MY1

6.1.1 How to select the REFNET Joint

How to select the REFNET Joint

Select the REFNET Joint from the following table when using REFNET Joints at the first branch counted from the outdoor unit side.

(Ex. : REFNET Joint A)

Outdoor Unit	REFNET Joints (Kit Name)
RXY5MY1	KHRJ26K18T
RXY8,10MY1	KHRJ26K37T
RXY12-16MY1	KHRJ26K40T+KHRJ26K40TP (Pipe Size Reducer)

For REFNET Joints other than the first branch, select the proper ones based on the total capacity index of the indoor units installed after the first branch using the following table :

Total capacity index of indoor units	REFNET Joints (Kit Name)
<100	KHRJ26K11T
100≤x<160	KHRJ26K18T
160≤x<330	KHRJ26K37T
330≤x<640	KHRJ26K40T+KHRJ26K40TP (Pipe Size Reducer)
640≤x<900	KHRJ26K75T+KHRJ26K75TP (Pipe Size Reducer)

6.1.2 How to select pipe size

Between outdoor unit and uppermost stream REFNET Joint.

Pipe size connected to outdoor unit.

Outdoor Unit	Gas	Liquid
RXY5M	ϕ19.1	ϕ9.5
RXY8, 10MY1	ϕ28.6	ϕ12.7
RXY12-16MY1	ϕ34.9	ϕ15.9

Piping Material

Select the piping material to be used from the next table according to piping size.

Piping Size (O / D)	Temper grade of Material
ϕ19.1 or less	O
ϕ22.2 or more	1 / 2H or H

6.1.3 How to select the REFNET header

Select the proper REFNET Header using the following table based on the total capacity index of indoor units installed after the header.

Total capacity index of indoor units	REFNET Header (Kit Name)
<100	KHRJ26K11H
100≤x<160	KHRJ26K18H
160≤x<330	KHRJ26K37H
330≤x<640	KHRJ26K40H+KHRJ26K40HP (Pipe Size Reducer)

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.1.4 Piping between the REFNET Joints

Select the proper pipe size using the following table based on the total capacity index of indoor units connected downstream.
Connection piping size should not exceed the refrigerant piping size selected by "the model with combination units".

Total capacity index	Liquid	Gas
<100	ϕ9.5	ϕ15.9
100≤x<160	ϕ9.5	ϕ19.1
160≤x<330	ϕ12.7	ϕ25.4
330≤x<480	ϕ15.9	ϕ34.9
480≤x<640	ϕ19.1	ϕ34.9
≥640	ϕ19.1	ϕ41.3

6.1.5 Piping between the REFNET Joints and indoor unit

Pipe size for direct connection to indoor unit must be the same as the connection size of indoor unit.
Connection pipe size of indoor unit.

Total capacity index	Liquid	Gas
20, 25, 32, 40	ϕ6.4	ϕ12.7
50, 63, 80	ϕ9.5	ϕ15.9
100, 125	ϕ9.5	ϕ19.1
200	ϕ12.7	ϕ25.4
250	ϕ12.7	ϕ28.6

6.1.6 The piping minimum thickness

∗ Select the wall thickness in accordance with revelant local and national regulations.

	R22	
Size	Material	Minimum thickness t (mm)
ϕ6.4	O	0.8
ϕ9.5	O	0.8
ϕ12.7	O	0.8
ϕ15.9	O	1.0
ϕ19.1	O	1.0
ϕ22.2	1/2H	1.0
ϕ25.4	1/2H	1.2
ϕ28.6	1/2H	1.2
ϕ34.9	1/2H	1.3
ϕ41.3	1/2H	1.7
ϕ54.1	1/2H	1.7

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.2 RXY18MY1, RXY20MY1, RXY22MY1, RXY24MY1, RXY26MY1, RXY28MY1, RXY30MY1, RXY32MY1, RXY34MY1, RXY36MY1, RXY38MY1, RXY40MY1, RXY42MY1, RXY44MY1, RXY46MY1, RXY48MY1

6.2.1 How to select the REFNET Joint

How to select the REFNET Joint

Select the REFNET Joint from the following table.When using REFNET Joints at the first branch counted from the outdoor unit side.

(Ex. : REFNET Joint A)

Outdoor Unit	REFNET Joint(Kit Name)
RXY18-24MY1	KHRJ26K40T+KHRJ26K40TP (Pipe Size Reducer)
RXY26-34MY1	KHRJ26K75T+KHRJ26K75TP (Pipe Size Reducer)
RXY36-48MY1	KHRJ26K75T+KHRJ26K76TP (Pipe Size Reducer)

For REFNET Joints other than the first branch, select the proper ones based on the total capacity index of the indoor units installed after the first branch using the following table :

Total capacity index of indoor units	REFNET Joints (Kit Name)
<100	KHRJ26K11T
100≤x<160	KHRJ26K18T
160≤x<330	KHRJ26K37T
330≤x<640	KHRJ26K40T+KHRJ26K40TP (Pipe Size Reducer)
640≤x<900	KHRJ26K75T+KHRJ26K75TP (Pipe Size Reducer)
≥900	KHRJ26K75T+KHRJ26K76TP (Pipe Size Reducer)

6.2.2 How to select pipe size

Main Piping (Between Multi connection piping kit and REFNET Joint)

Select the proper ones based on the following table :

Outdoor Unit	Gas	Liquid
RXY18MY1	ϕ34.9	ϕ19.1
RXY20MY1		
RXY22MY1		
RXY24MY1	ϕ41.3	
RXY26MY1		ϕ22.2
RXY28MY1		
RXY30MY1		
RXY32MY1		
RXY34MY1		
RXY36MY1	ϕ54.1	
RXY38MY1		
RXY40MY1		
RXY42MY1		
RXY44MY1		
RXY46MY1		
RXY48MY1		

Piping Material

Select the piping material to be used from the next table according to piping size.

Piping Size (O / D)	Temper grade of Material
ϕ19.1 or less	O
ϕ22.2 or more	1 / 2H or H

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.2.3 How to select the REFNET header

Select the proper branch kit model based on the total capacity index of indoor units installed after the header using the following table.

Total capacity index	REFNET Header (Kit Name)
<100	KHRJ26K11H
100≤x<160	KHRJ26K18H
160≤x<330	KHRJ26K37H
330≤x<640	KHRJ26K40H+KHRJ26K40HP (Pipe Size Reducer)

·Branching is impossible between refnet header and indoor unit.
·For systems with a total capacity of 640 and over, connect a refnet joint branch.

6.2.4 Piping between the REFNET Joints.

Select the proper pipe size using the following table based on the total capacity index of indoor units connected downstream.
Connection piping size should be larger than main piping size.
Connection piping size should not exceed the refrigerant piping size selected by "the model with combination units".

Total capacity index	Liquid	Gas
<100	ϕ9.5	ϕ15.9
100≤x<160	ϕ9.5	ϕ19.1
160≤x<330	ϕ12.7	ϕ25.4
330≤x<480	ϕ15.9	ϕ34.9
480≤x<640	ϕ19.1	ϕ34.9
640≤x<880	ϕ19.1	ϕ41.3
≥900	ϕ22.2	ϕ54.1

6.2.5 Piping between the multi connection piping kit

Select the proper pipe size using the following table based on the total capacity index of outdoor units connected upper stream.

Total capacity index of outdoor units connected to upper stream	Gas	Liquid	Oil
Less than RXY22MY1	ϕ34.9	ϕ19.1	ϕ6.4
RXY24MY1	ϕ41.3		
RXY26MY1 or more~ Less than RXY32MY1		ϕ22.2	

6.2.6 Outdoor Unit Multi Connection Piping Kit

Select the piping kit according to the No. of outdoor units

No. of outdoor units	Multi Connection Piping Kit
2 units	BHF22M90
3 units	BHF22M135

6.2.7 Piping between the REFNET Joints and indoor unit

Pipe size for direct connection to indoor unit must be the same as the connection size of indoor unit.
Connection pipe size of indoor unit.

Total capacity index	Liquid	Gas
20, 25, 32, 40	ϕ6.4	ϕ12.7
50, 63, 80	ϕ9.5	ϕ15.9
100, 125	ϕ9.5	ϕ19.1
200	ϕ12.7	ϕ25.4
250	ϕ12.7	ϕ28.6

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

6.2.8 Piping between outdoor Unit and Multi Connection Piping Kit

Pipe size for direct connection to outdoor unit must be the same as the connection size of outdoor unit.

Outdoor Units	Gas	Liquid	Oil
RXY8, 10MY1	ϕ28.6	ϕ12.7	ϕ6.4
RXY12-16MY1	ϕ34.9	ϕ15.9	

6.2.9 The piping minimum thickness

∗ Select the wall thickness in accordance with revelant local and national regulations.

	R22	
Size	Material	Minimum thickness t (mm)
ϕ6.4	O	0.8
ϕ9.5	O	0.8
ϕ12.7	O	0.8
ϕ15.9	O	1.0
ϕ19.1	O	1.0
ϕ22.2	1/2H	1.0
ϕ25.4	1/2H	1.2
ϕ28.6	1/2H	1.2
ϕ34.9	1/2H	1.3
ϕ41.3	1/2H	1.7
ϕ54.1	1/2H	1.7

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

7. Thermistor Resistance / Temperature Characteristics

Indoor unit	For air suction	R1T
	For liquid pipe	R2T
	For gas pipe	R3T
Outdoor unit	For outdoor air	R1T
	For coil	R2T
	For suction pipe	R4T
	For Receiver gas pipe	R5T
	For oil	R7T

(kΩ)

T°C	0.0	0.5	T°C	0.0	0.5
-20	197.81	192.08	30	16.10	15.76
-19	186.53	181.16	31	15.43	15.10
-18	175.97	170.94	32	14.79	14.48
-17	166.07	161.36	33	14.18	13.88
-16	156.80	152.38	34	13.59	13.31
-15	148.10	143.96	35	13.04	12.77
-14	139.94	136.05	36	12.51	12.25
-13	132.28	128.63	37	12.01	11.76
-12	125.09	121.66	38	11.52	11.29
-11	118.34	115.12	39	11.06	10.84
-10	111.99	108.96	40	10.63	10.41
-9	106.03	103.18	41	10.21	10.00
-8	100.41	97.73	42	9.81	9.61
-7	95.14	92.61	43	9.42	9.24
-6	90.17	87.79	44	9.06	8.88
-5	85.49	83.25	45	8.71	8.54
-4	81.08	78.97	46	8.37	8.21
-3	76.93	74.94	47	8.05	7.90
-2	73.01	71.14	48	7.75	7.60
-1	69.32	67.56	49	7.46	7.31
0	65.84	64.17	50	7.18	7.04
1	62.54	60.96	51	6.91	6.78
2	59.43	57.94	52	6.65	6.53
3	56.49	55.08	53	6.41	6.53
4	53.71	52.38	54	6.65	6.53
5	51.09	49.83	55	6.41	6.53
6	48.61	47.42	56	6.18	6.06
7	46.26	45.14	57	5.95	5.84
8	44.05	42.98	58	5.74	5.43
9	41.95	40.94	59	5.14	5.05
10	39.96	39.01	60	4.96	4.87
11	38.08	37.18	61	4.79	4.70
12	36.30	35.45	62	4.62	4.54
13	34.62	33.81	63	4.46	4.38
14	33.02	32.25	64	4.30	4.23
15	31.50	30.77	65	4.16	4.08
16	30.06	29.37	66	4.01	3.94
17	28.70	28.05	67	3.88	3.81
18	27.41	26.78	68	3.75	3.68
19	26.18	25.59	69	3.62	3.56
20	25.01	24.45	70	3.50	3.44
21	23.91	23.37	71	3.38	3.32
22	22.85	22.35	72	3.27	3.21
23	21.85	21.37	73	3.16	3.11
24	20.90	20.45	74	3.06	3.01
25	20.00	19.56	75	2.96	2.91
26	19.14	18.73	76	2.86	2.82
27	18.32	17.93	77	2.77	2.72
28	17.54	17.17	78	2.68	2.64
29	16.80	16.45	79	2.60	2.55
30	16.10	15.76	80	2.51	2.47

Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

Outdoor Unit Thermistors for Discharge Pipe (R3T)

(kΩ))

T°C	0.0	0.5	T°C	0.0	0.5	T°C	0.0	0.5
0	640.44	624.65	50	72.32	70.96	100	13.35	13.15
1	609.31	594.43	51	69.64	68.34	101	12.95	12.76
2	579.96	565.78	52	67.06	65.82	102	12.57	12.38
3	552.00	538.63	53	64.60	63.41	103	12.20	12.01
4	525.63	512.97	54	62.24	61.09	104	11.84	11.66
5	500.66	488.67	55	59.97	58.87	105	11.49	11.32
6	477.01	465.65	56	57.80	56.75	106	11.15	10.99
7	454.60	443.84	57	55.72	54.70	107	10.83	10.67
8	433.37	423.17	58	53.72	52.84	108	10.52	10.36
9	413.24	403.57	59	51.98	50.96	109	10.21	10.06
10	394.16	384.98	60	49.96	49.06	110	9.92	9.78
11	376.05	367.35	61	48.19	47.33	111	9.64	9.50
12	358.88	350.62	62	46.49	45.67	112	9.36	9.23
13	342.58	334.74	63	44.86	44.07	113	9.10	8.97
14	327.10	319.66	64	43.30	42.54	114	8.84	8.71
15	312.41	305.33	65	41.79	41.06	115	8.59	8.47
16	298.45	291.73	66	40.35	39.65	116	8.35	8.23
17	285.18	278.80	67	38.96	38.29	117	8.12	8.01
18	272.58	266.51	68	37.63	36.98	118	7.89	7.78
19	260.60	254.72	69	36.34	35.72	119	7.68	7.57
20	249.00	243.61	70	35.11	34.51	120	7.47	7.36
21	238.36	233.14	71	33.92	33.35	121	7.26	7.16
22	228.05	223.08	72	32.78	32.23	122	7.06	6.97
23	218.24	213.51	73	31.69	31.15	123	6.87	6.78
24	208.90	204.39	74	30.63	30.12	124	6.69	6.59
25	200.00	195.71	75	29.61	29.12	125	6.51	6.42
26	191.53	187.44	76	28.64	28.16	126	6.33	6.25
27	183.46	179.57	77	27.69	27.24	127	6.16	6.08
28	175.77	172.06	78	26.79	26.35	128	6.00	5.92
29	168.44	164.90	79	25.91	25.49	129	5.84	5.76
30	161.45	158.08	80	25.07	24.66	130	5.69	5.61
31	154.79	151.57	81	24.26	23.87	131	5.54	5.46
32	148.43	145.37	82	23.48	23.10	132	5.39	5.32
33	142.37	139.44	83	22.73	22.36	133	5.25	5.18
34	136.59	133.79	84	22.01	21.65	134	5.12	5.05
35	131.06	128.39	85	21.31	20.97	135	4.98	4.92
36	125.79	123.24	86	20.63	20.31	136	4.86	4.79
37	120.76	118.32	87	19.98	19.67	137	4.73	4.67
38	115.95	113.62	88	19.36	19.05	138	4.61	4.55
39	111.35	109.13	89	18.75	18.46	139	4.49	4.44
40	106.96	104.84	90	18.17	17.89	140	4.38	4.32
41	102.76	100.73	91	17.61	17.34	141	4.27	4.22
42	98.75	96.81	92	17.07	16.80	142	4.16	4.11
43	94.92	93.06	93	16.54	16.29	143	4.06	4.01
44	91.25	89.47	94	16.04	15.79	144	3.96	3.91
45	87.74	86.04	95	15.55	15.31	145	3.86	3.81
46	84.38	82.75	96	15.08	14.85	146	3.76	3.72
47	81.16	79.61	97	14.62	14.40	147	3.67	3.62
48	78.09	76.60	98	14.18	13.97	148	3.58	3.54
49	75.14	73.71	99	13.76	13.55	149	3.49	3.45
50	72.32	70.96	100	13.35	13.15	150	3.41	3.37

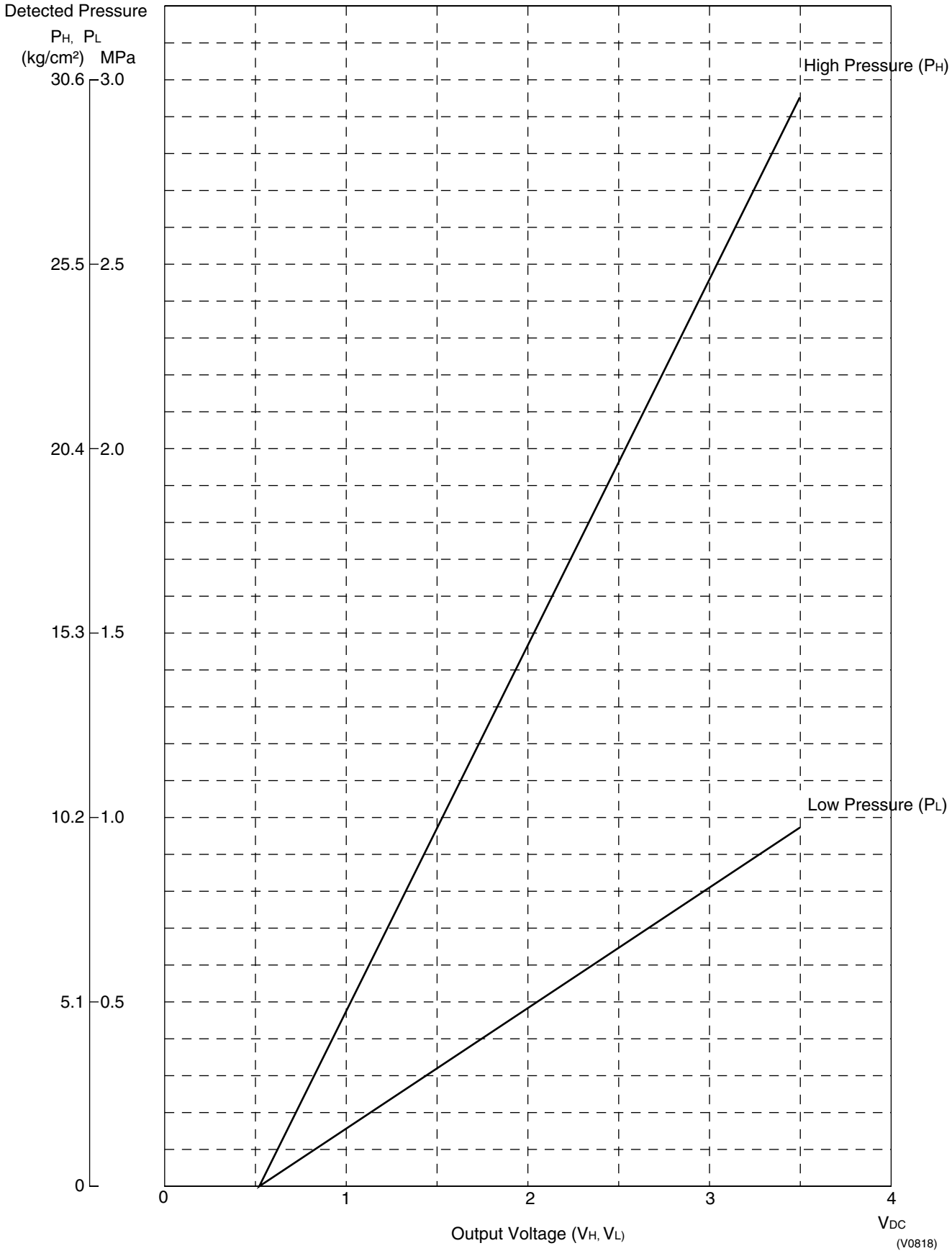
Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

8. Pressure Sensor

High Pressure $P_H=(V_H-0.5)\times 0.98$

Low Pressure $P_L=(V_L-0.5)\times \frac{0.98}{3}$

P_H : Detected Pressure [High Side] MPa
P_L : Detected Pressure [Low Side] MPa
V_H : Output Voltage [High Side] V_{DC}
V_L : Output Voltage [Low Side] V_{DC}

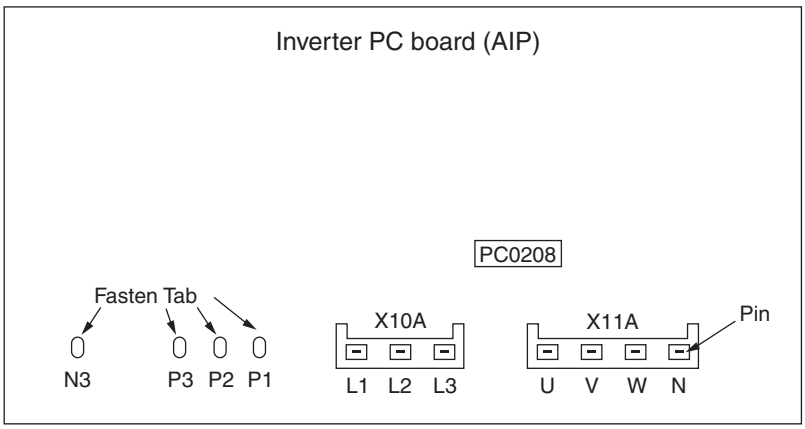


Все каталоги и инструкции здесь: http://splitoff.ru/tehn-doc.html

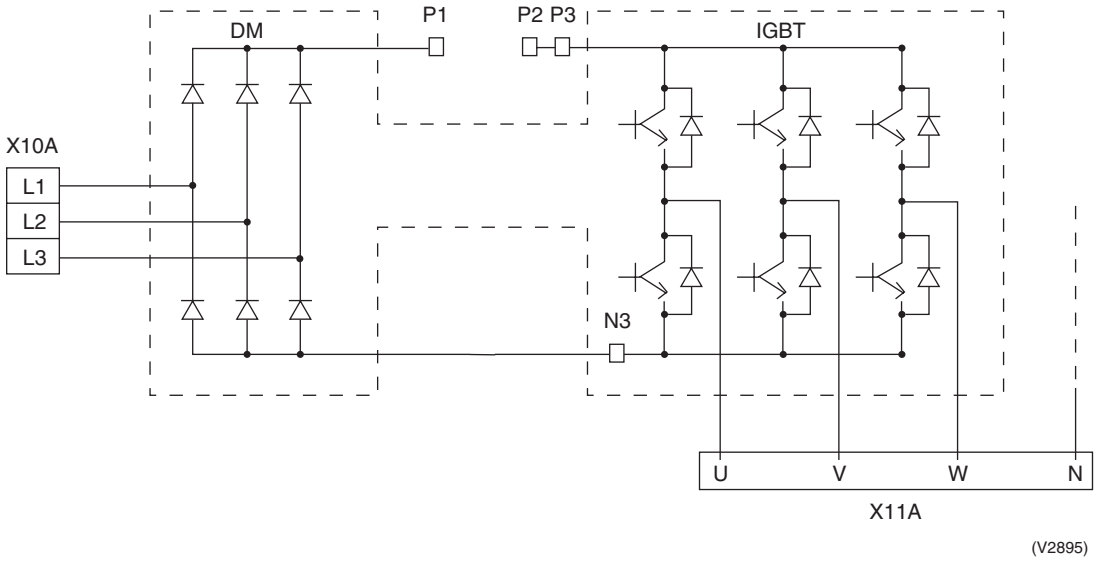
9. Method of Replacing The Inverter's Power Transistors and Diode Modules

9.1 Method of Replacing The Inverter's Power Transistors and Diode Modules

Inverter P.C.Board



Electronic circuit



[Decision according to continuity check by analog tester]

- Before checking, disconnect the electric wiring connected to the power transistor and diode module.

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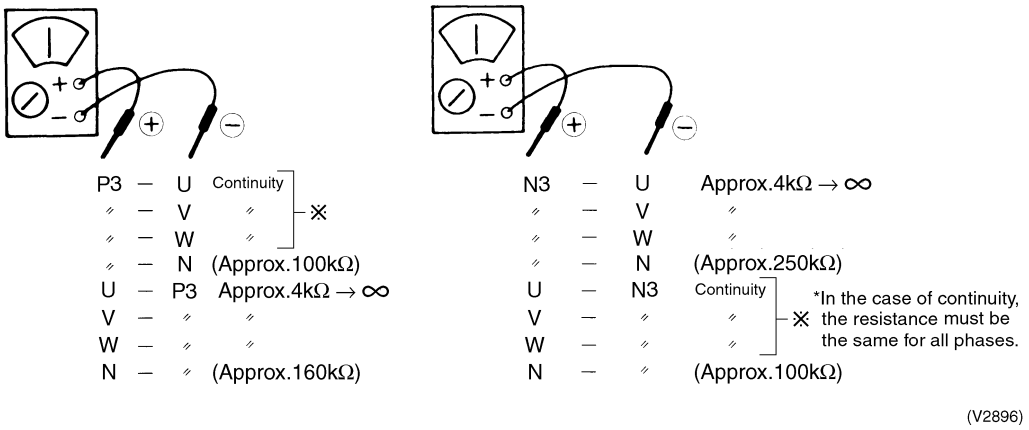
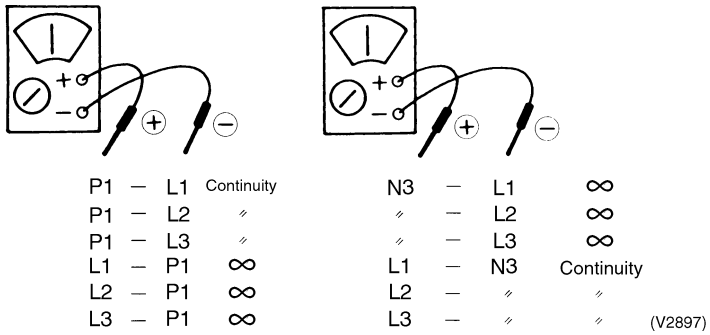
Power Transistor IGBT (On Inverter PC Board)


P3 — U Continuity
〃 — V 〃
〃 — W 〃
〃 — N (Approx.100kΩ)
U — P3 Approx.4kΩ → ∞
V — 〃 〃
W — 〃 〃
N — 〃 (Approx.160kΩ)
※
N3 — U Approx.4kΩ → ∞
〃 — V 〃
〃 — W 〃
〃 — N (Approx.250kΩ)
U — N3 Continuity
V — 〃 〃
W — 〃 〃
N — 〃 (Approx.100kΩ)
※
*In the case of continuity, the resistance must be the same for all phases.
(V2896)

(Decision)
If other than given above, the power unit is defective and must be replaced.

Note: If using a digital tester, ∞ and continuity may be reversed.

Diode Module



(Decision)
If other than given above, the diode module is defective and must be replaced.

Note: If using a digital tester, ∞ and continuity may be reversed.

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